

4.2.A. 0601020501.

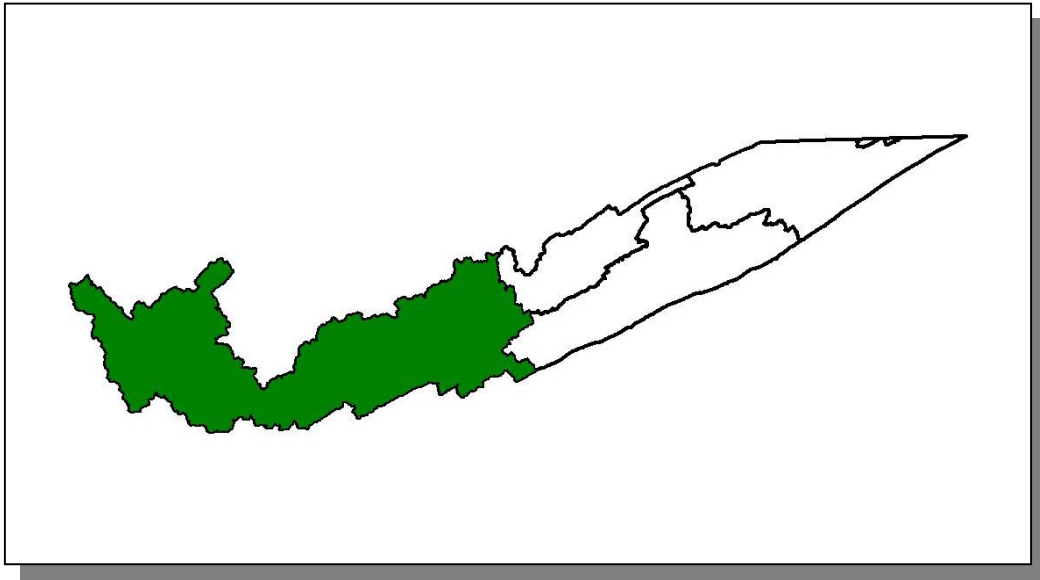


Figure 4-2. Location of Subwatershed 0601020501. All Upper Clinch River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.A.i. 060102050101 (Norris Lake).

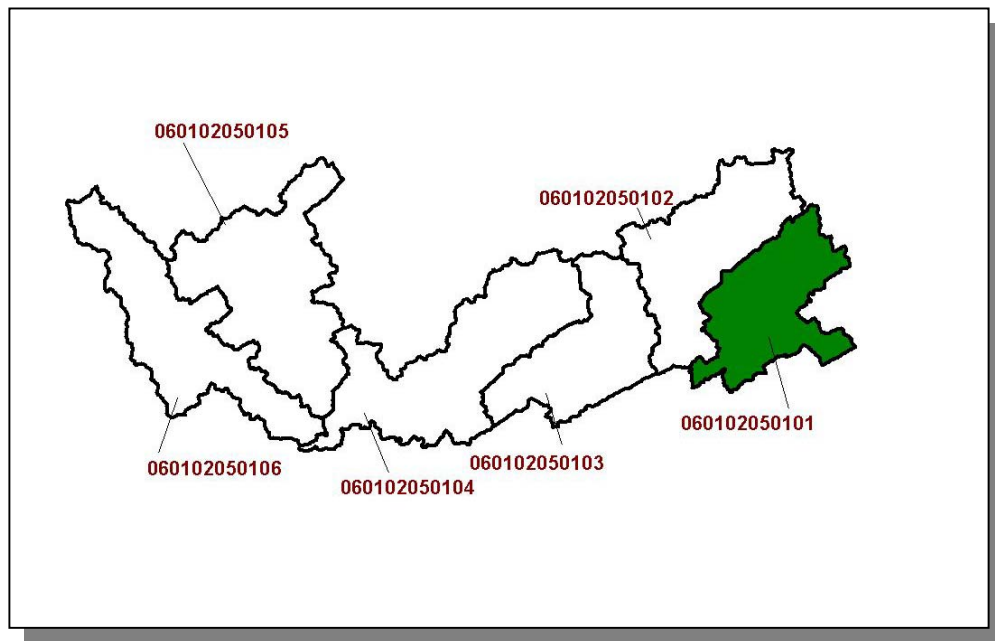


Figure 4-3. Location of Subwatershed 060102050101. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

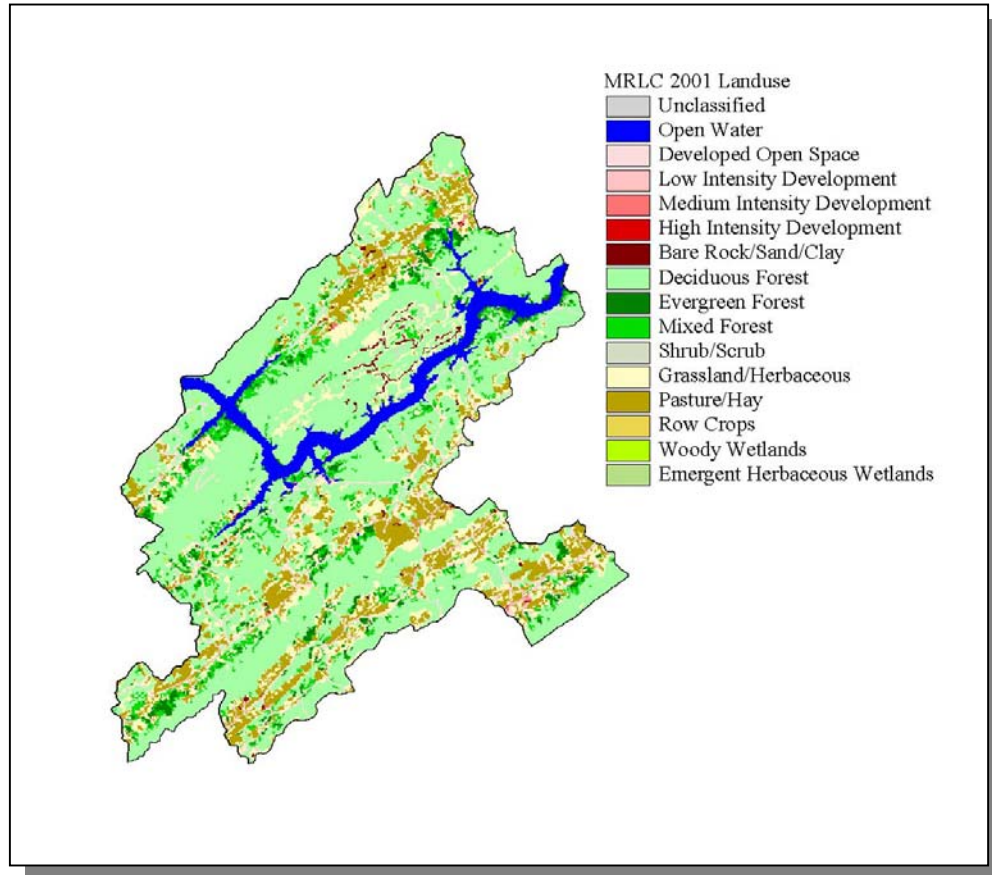


Figure 4-4. Illustration of Land Use Distribution in Subwatershed 060102050101.

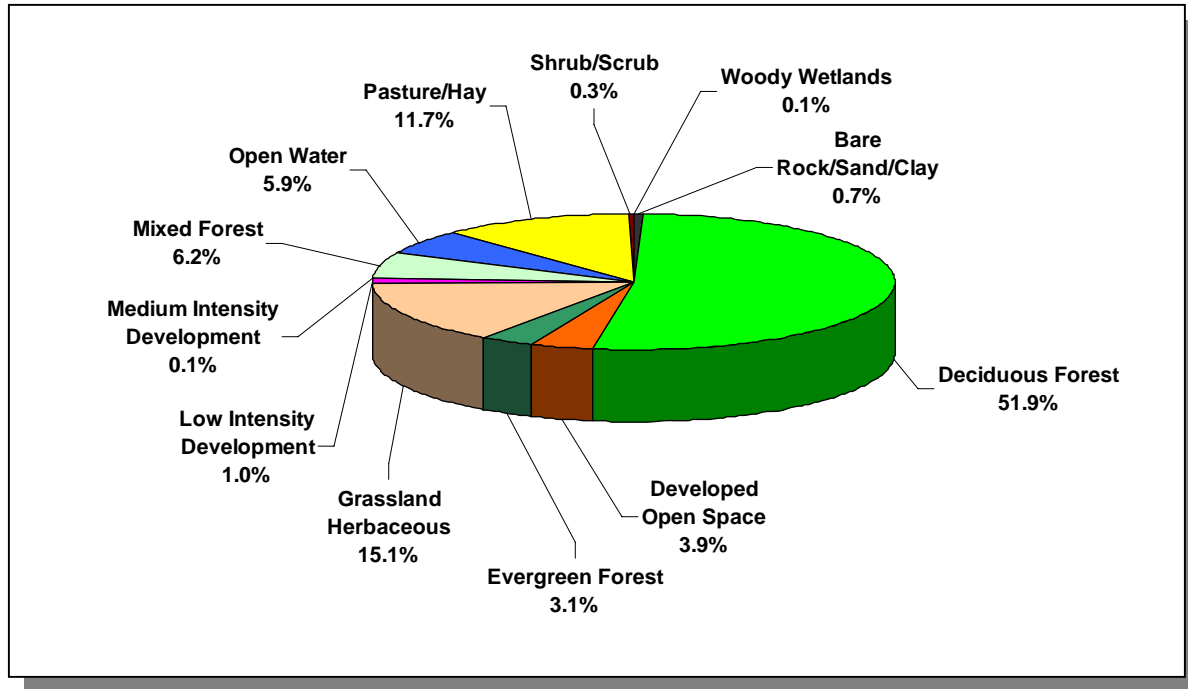


Figure 4-5. Land Use Distribution in Subwatershed 060102050101. More information is provided in Appendix IV.

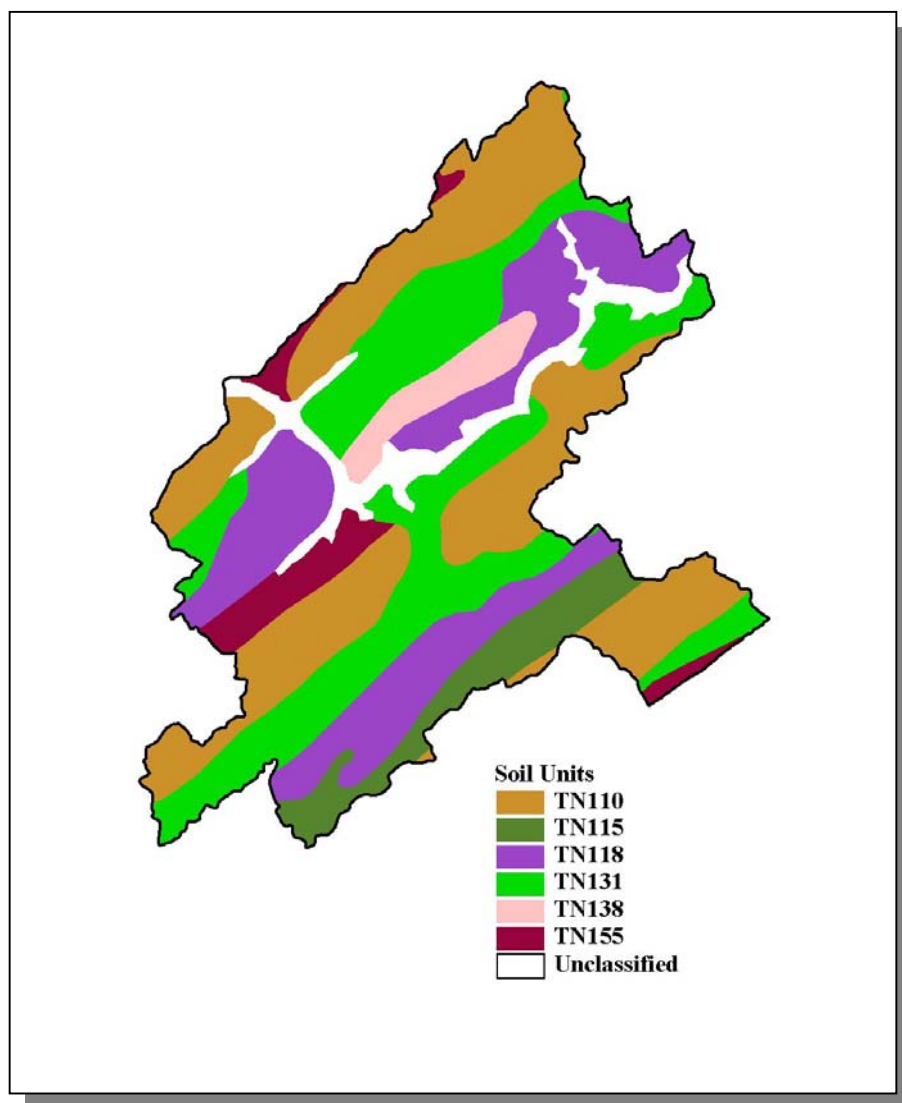


Figure 4-6. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050101.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN115	0.00	C	1.41	5.15	Silty Loam	0.36
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN138	0.00	C	2.48	4.26	Sandy Loam	0.22
TN155	0.00	C	1.71	5.31	Loam	0.32

Table 4-2. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050101. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	3.77	987	1,093	1,127	14.2
Grainger	17,095	19,456	20,659	7.46	1,275	1,451	1,540	20.8
Union	13,694	15,956	17,808	2.47	338	394	440	30.2
Total	56,926	64,375	68,329		2,600	2,938	3,107	19.5

Table 4-3. Population Estimates in Subwatershed 060102050101.

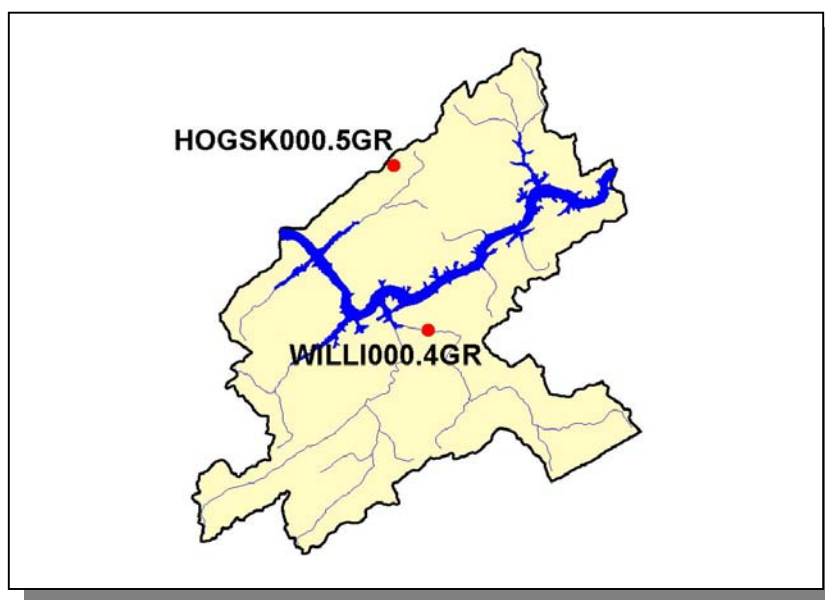


Figure 4-7. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050101. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

4.2.A.i.a. Point Source Contributions.

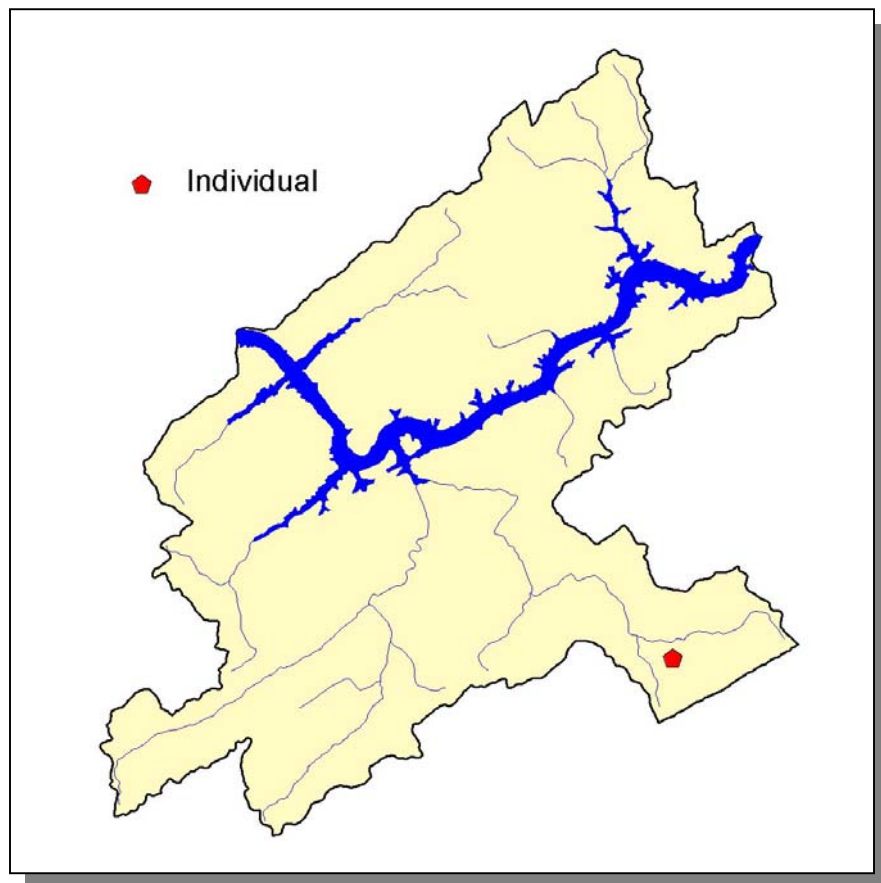


Figure 4-8. Location of Permits Issued in Subwatershed 060102050101. More information, including the names of facilities, is provided in Appendix IV.

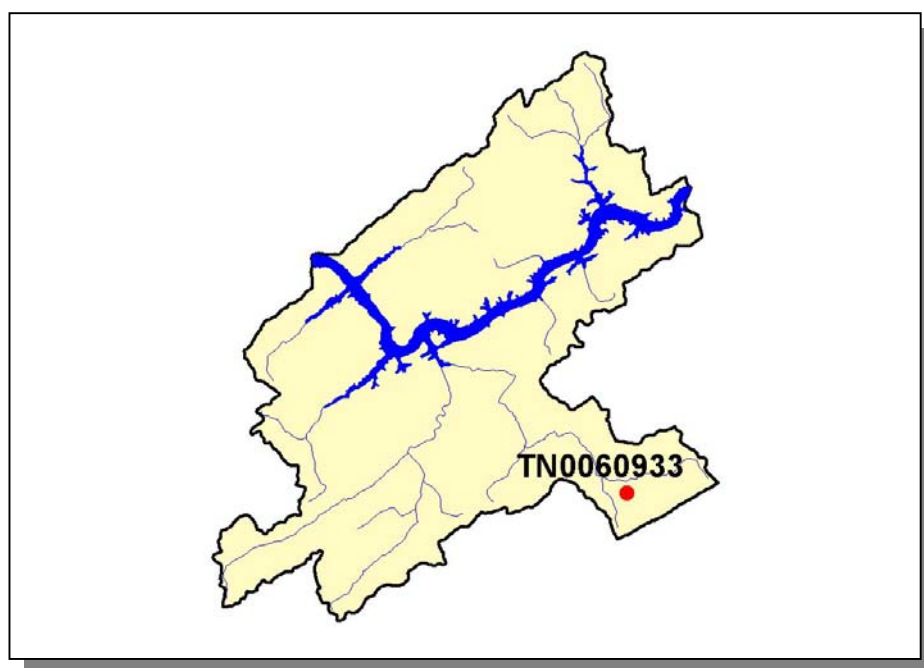


Figure 4-9. Location of Active NPDES Sites in Subwatershed 060102050101. More information, including the names of facilities, is provided in Appendix IV.

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4.2.A.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,181	2,320	79	<5	34	17

Table 4-4. Summary of Livestock Count Estimates in Subwatershed 060102050101. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Claiborne	18,697	36,566	1,082	420	0	165
Grainger	12,115	23,927	942	1,184	510	195
Union	5,540	10,575	105	981	93	96

Table 4-5. Summary of Livestock Count Estimates in Claiborne, Grainger, and Union Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1
Grainger	102.6	102.6	0.3	1.8
Union	102.5	102.5	0.1	0.0

Table 4-6. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne, Grainger, and Union Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.70
Grass (Hayland)	0.65
Legumes, Grass (Hayland)	0.60
Grass, Forbs, Legumes (Mixed Pasture)	0.68
Corn (Row Crops)	5.69
Tobacco (Row Crops)	7.21
Farmsteads and Ranch Headquarters	0.45

Table 4-7. Annual Estimated Total Soil Loss in Subwatershed 060102050101.

4.2.A.ii. 060102050102 (Norris Lake).

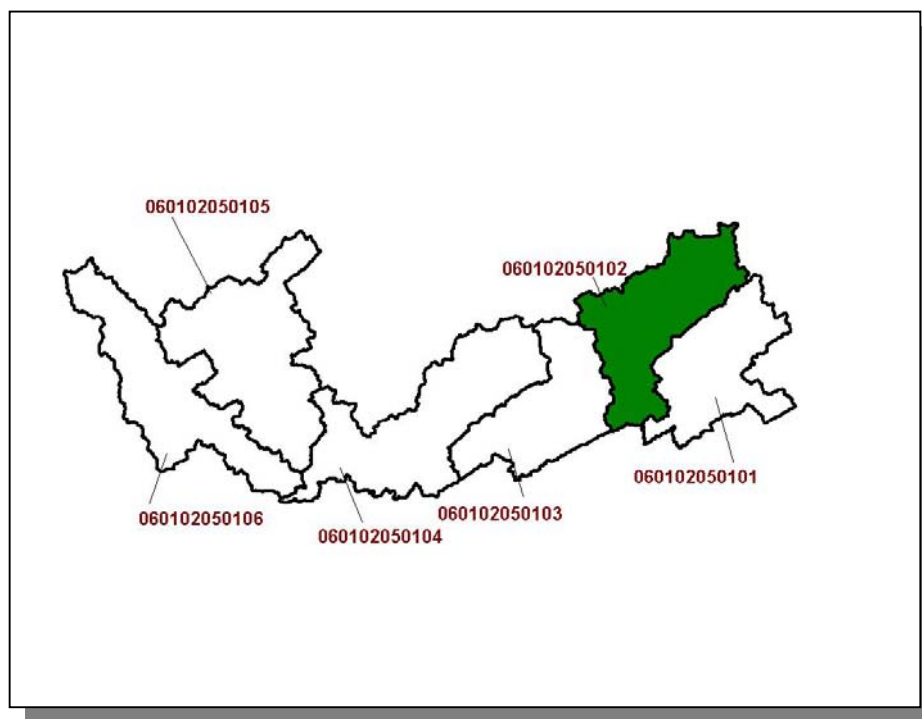


Figure 4-10. Location of Subwatershed 060102050102. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

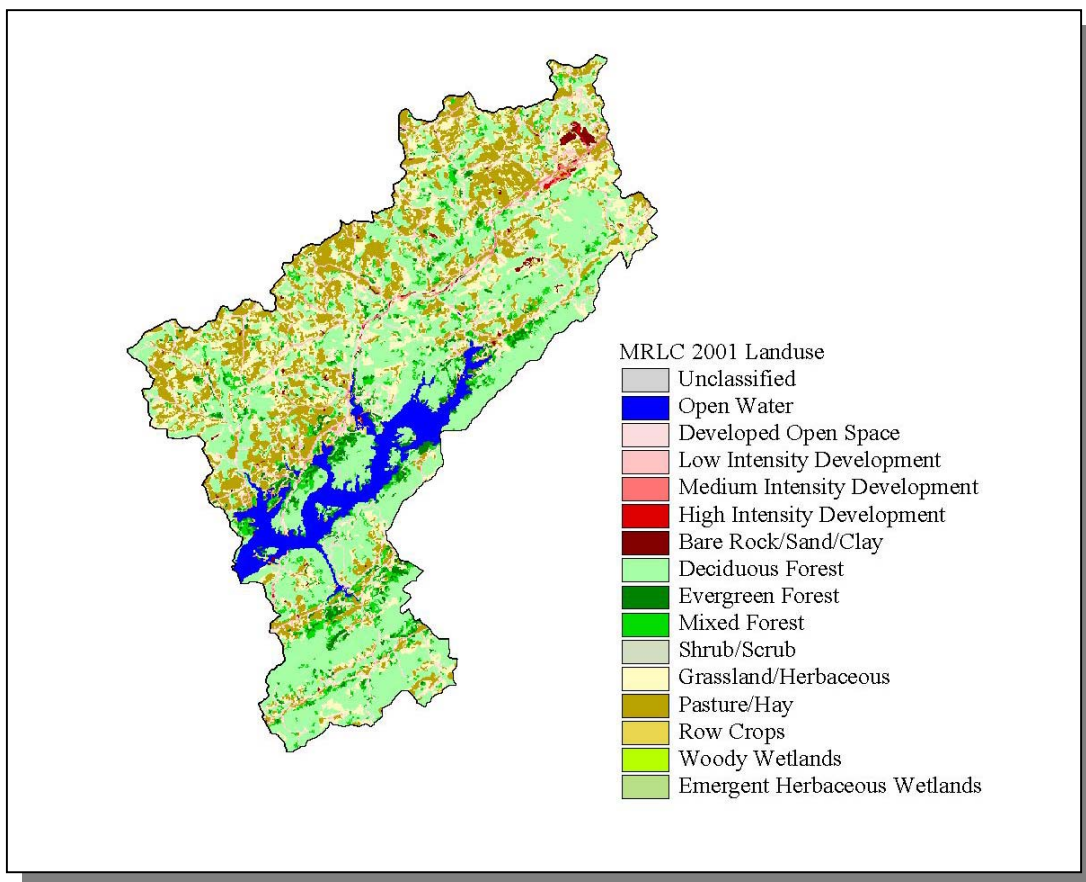


Figure 4-11. Illustration of Land Use Distribution in Subwatershed 060102050102.

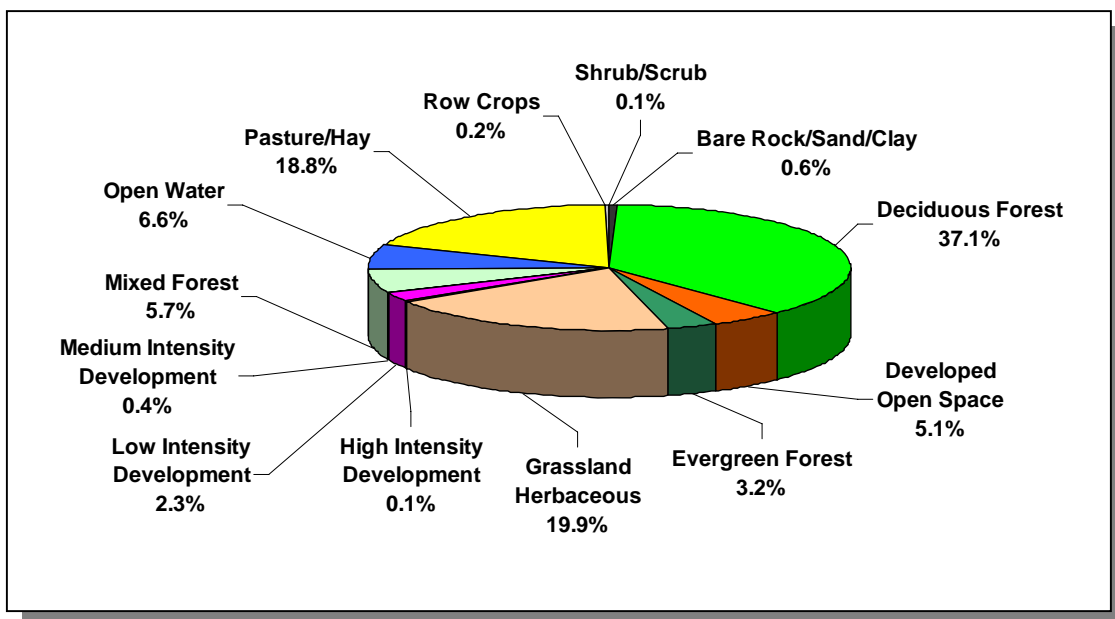


Figure 4-12. Land Use Distribution in Subwatershed 060102050102. More information is provided in Appendix IV.

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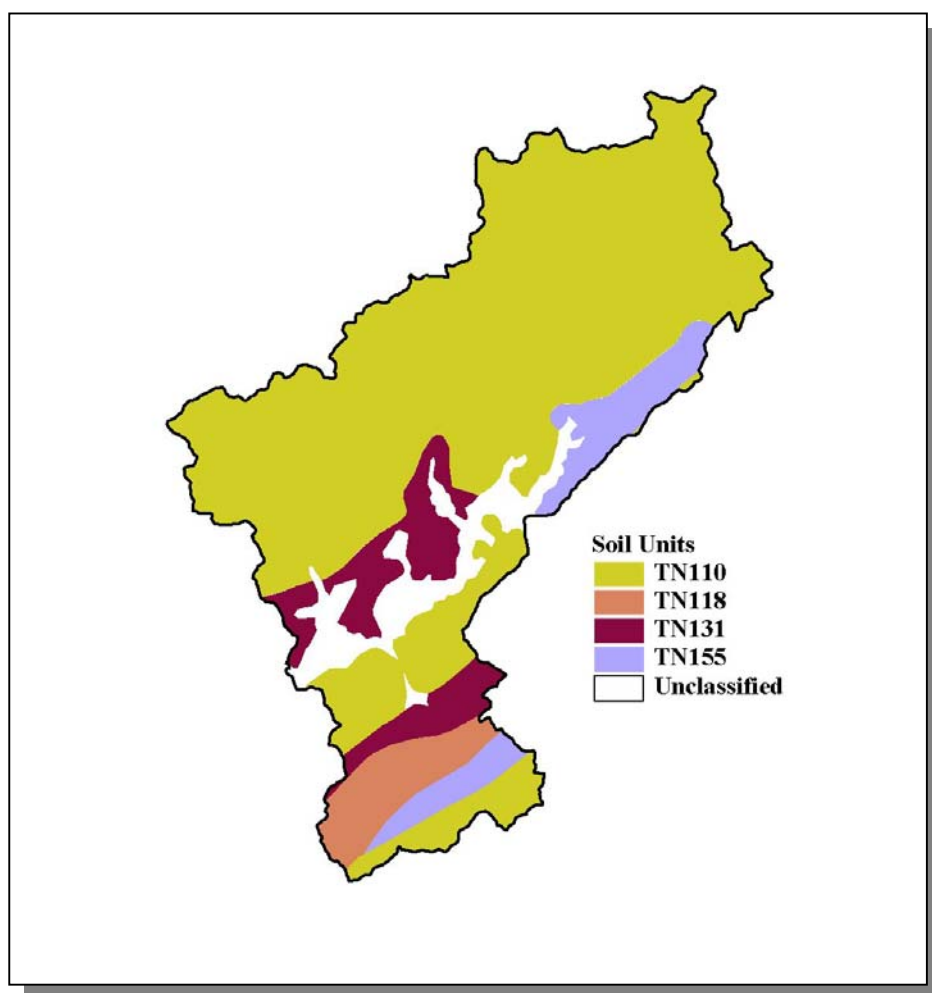


Figure 4-13. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050102.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33
TN155	0.00	C	1.71	5.31	Loam	0.32

Table 4-8. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050102. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Claiborne	26,137	28,963	29,862	7.82	2,045	2,266	2,336	14.2
Union	13,694	15,956	17,808	7.78	1,066	1,242	1,386	30.0
Total	39,831	44,919	47,670		3,111	3,508	3,722	19.6

Table 4-9. Population Estimates in Subwatershed 060102050102.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
New Tazewell	Claiborne	1,864	785	543	236	6

Table 4-10. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050102.

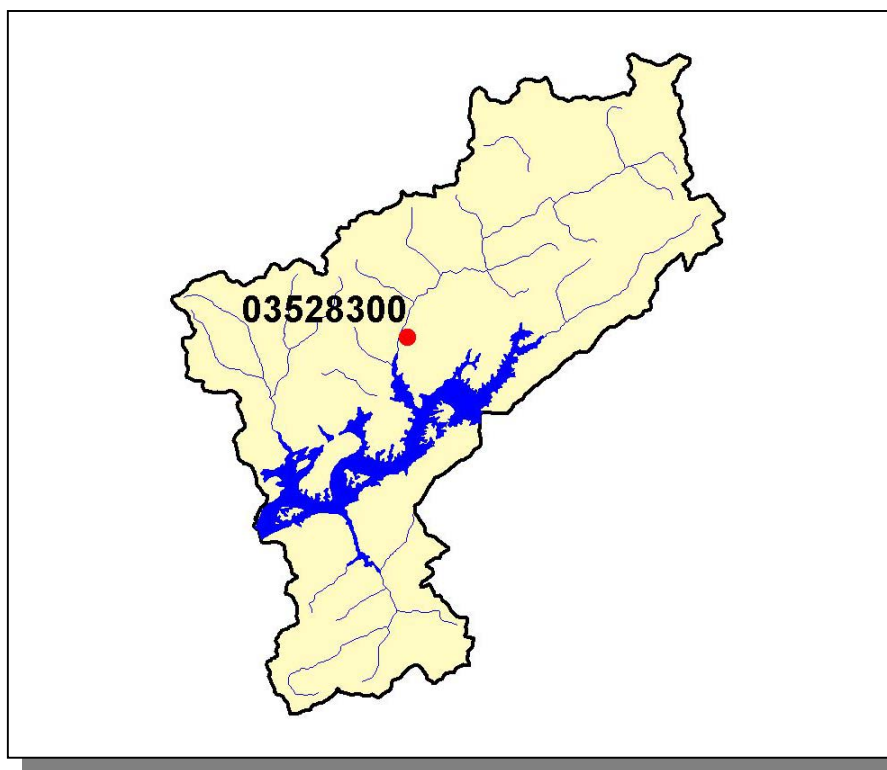


Figure 4-14. Location of Historical Streamflow Data Collection Sites in Subwatershed 060102050102. More information is provided in Appendix IV.

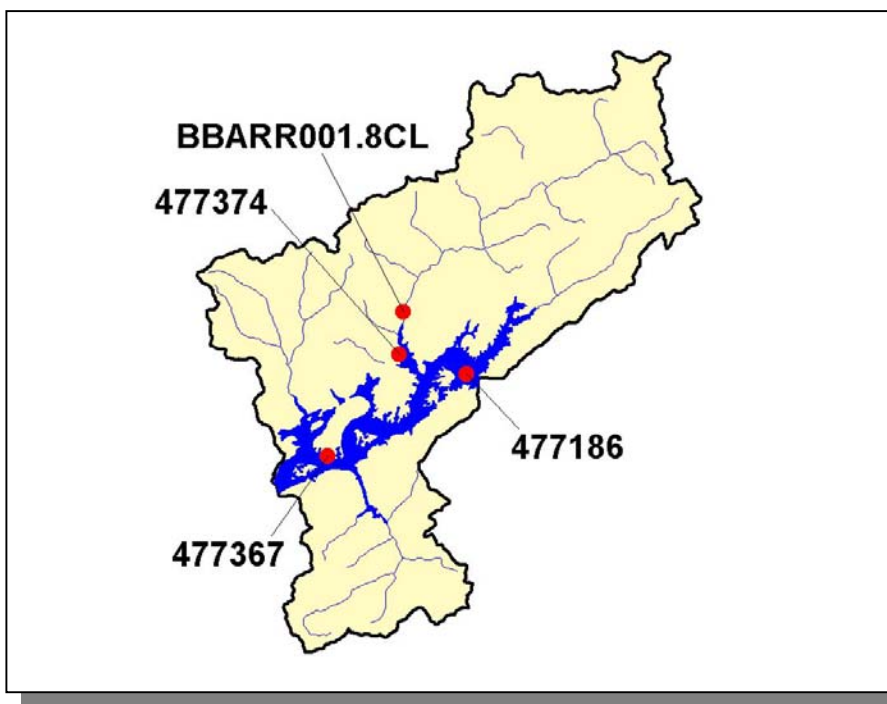


Figure 4-15. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050102. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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4.2.A.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.A.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
2,940	5,728	152	6	8	30

Table 4-11. Summary of Livestock Count Estimates in Subwatershed 060102050102. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Claiborne	18,697	36,566	1,082	420	0	165
Union	5,540	10,575	105	981	93	96

Table 4-12. Summary of Livestock Count Estimates in Claiborne, Grainger, and Union Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Claiborne	167.6	167.6	2.6	12.1
Union	102.5	102.5	0.1	0.0

Table 4-13. Forest Acreage and Annual Removal Rates (1987-1994) in Claiborne and Union Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.41
Grass (Hayland)	1.91
Grass, Forbs, Legumes (Mixed Pasture)	0.65
Farmsteads and Ranch Headquarters	0.36

Table 4-14. Annual Estimated Total Soil Loss in Subwatershed 060102050102.

4.2.A.iii. 060102050103 (Norris Lake).

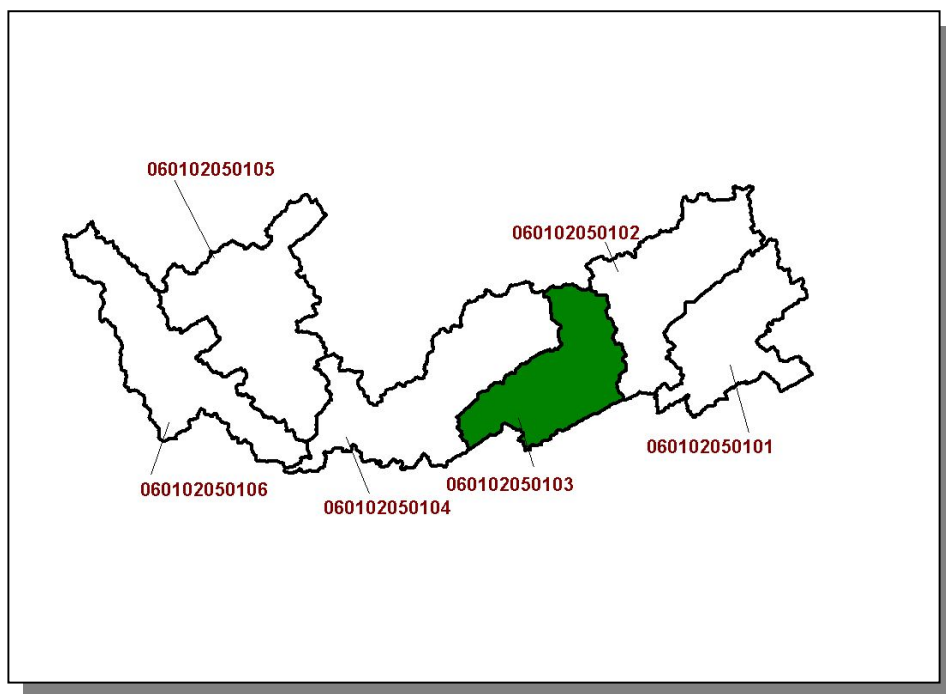


Figure 4-16. Location of Subwatershed 060102050103. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

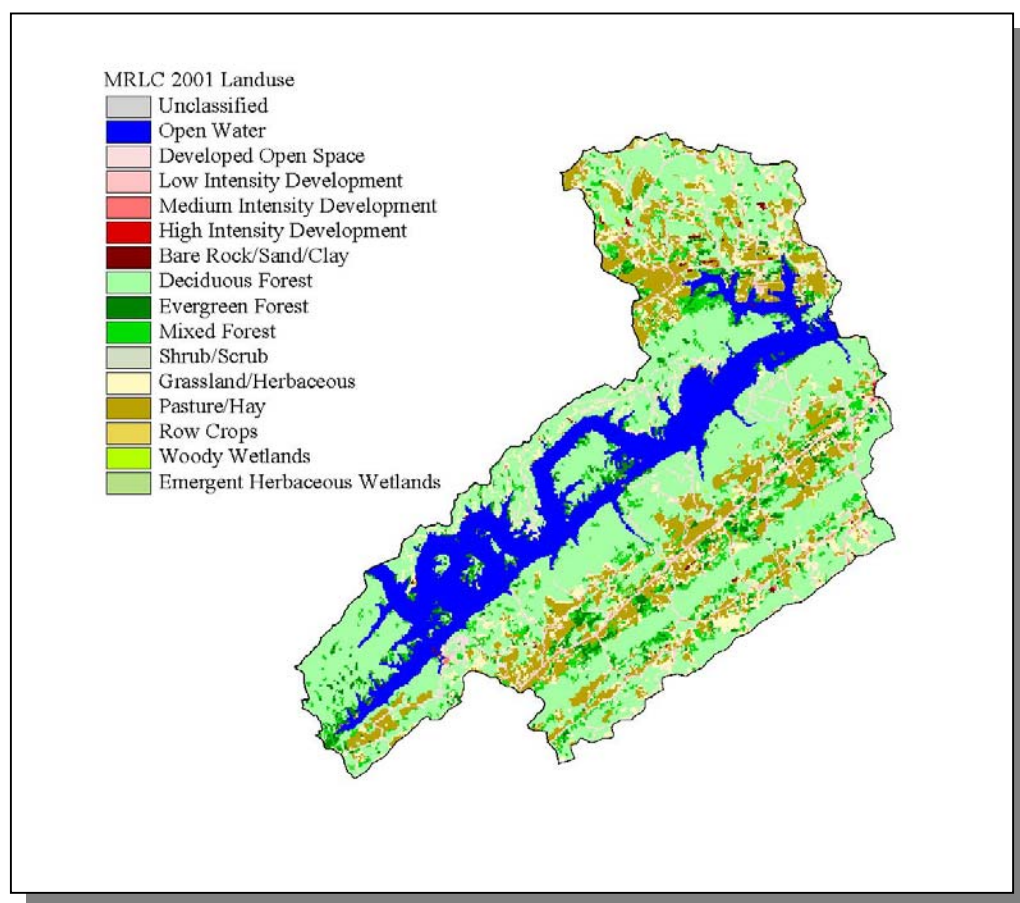


Figure 4-17. Illustration of Land Use Distribution in Subwatershed 060102050103.

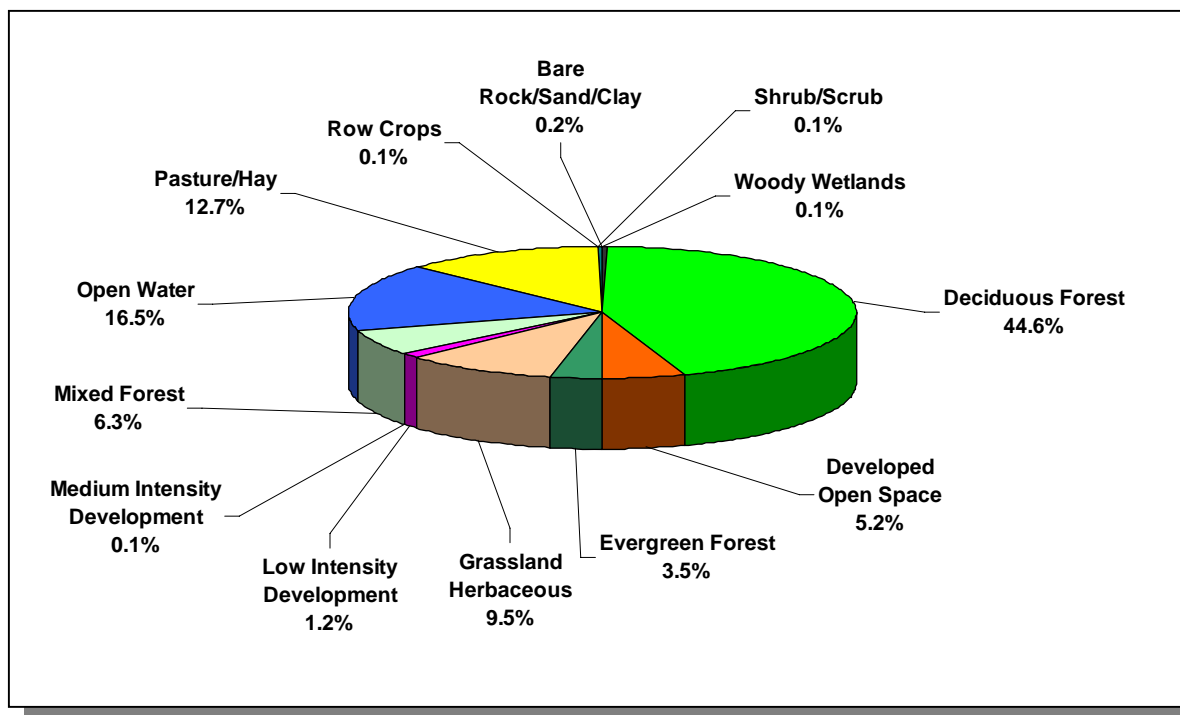


Figure 4-18. Land Use Distribution in Subwatershed 060102050103. More information is provided in Appendix IV.

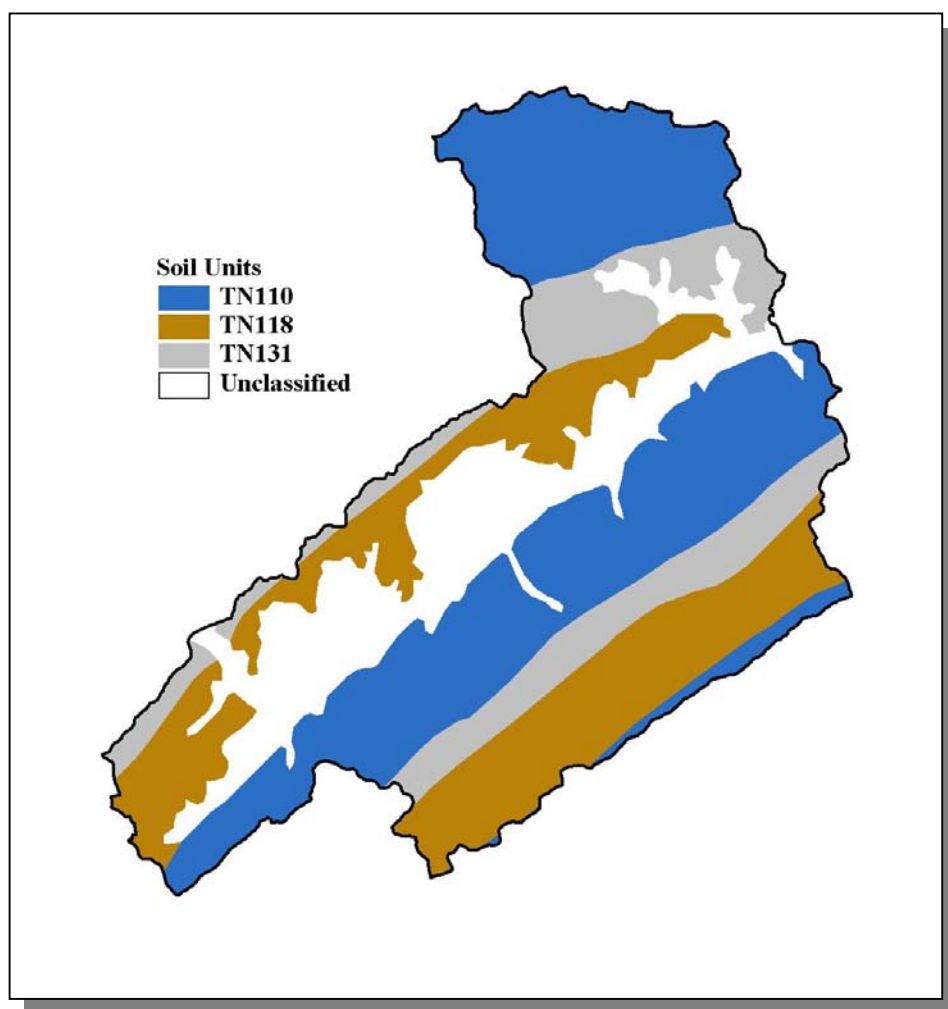


Figure 4-19. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050103.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN118	0.00	C	6.52	5.12	Loam	0.29
TN131	0.00	C	1.17	4.95	Silty Loam	0.33

Table 4-15. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050103. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Union	13,694	15,956	17,808	19.12	2,618	3,051	3,405	30.1

Table 4-16. Population Estimates in Subwatershed 060102050103.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Maynardville	Union	1,298	544	366	173	5

Table 4-17. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050103.

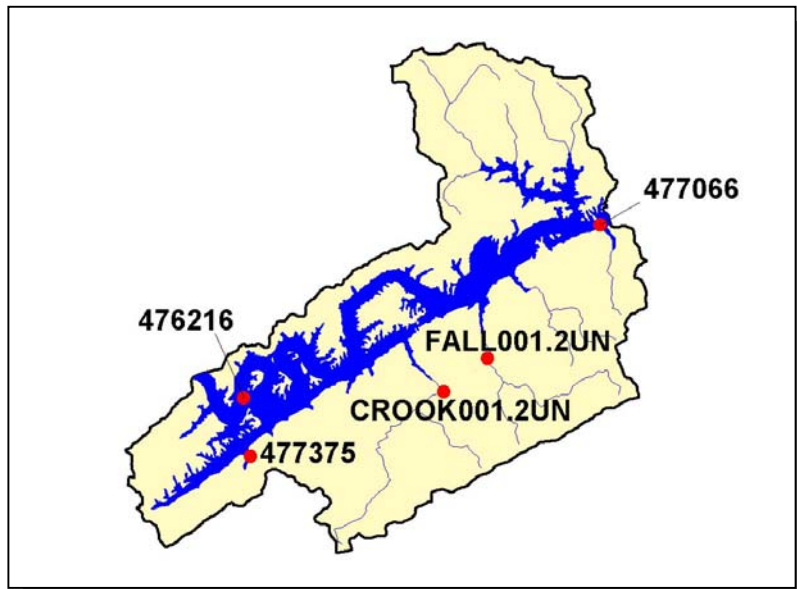


Figure 4-20. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050103. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

4.2.A.iii.a. Point Source Contributions.

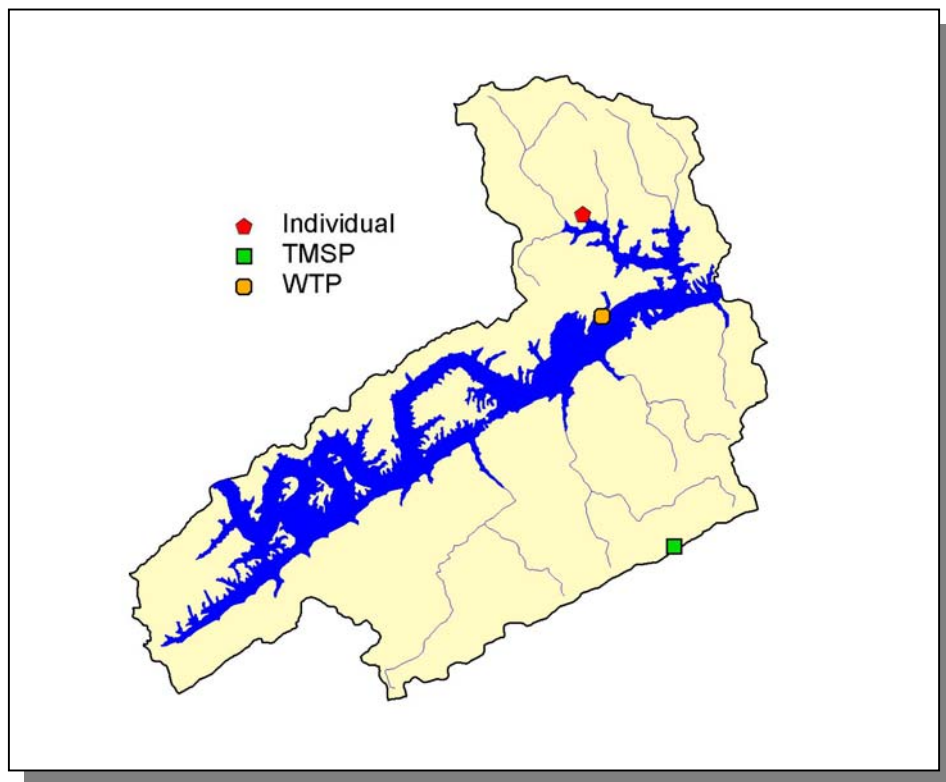


Figure 4-21. Location of Permits Issued in Subwatershed 060102050103. More information, including the names of facilities, is provided in Appendix IV.

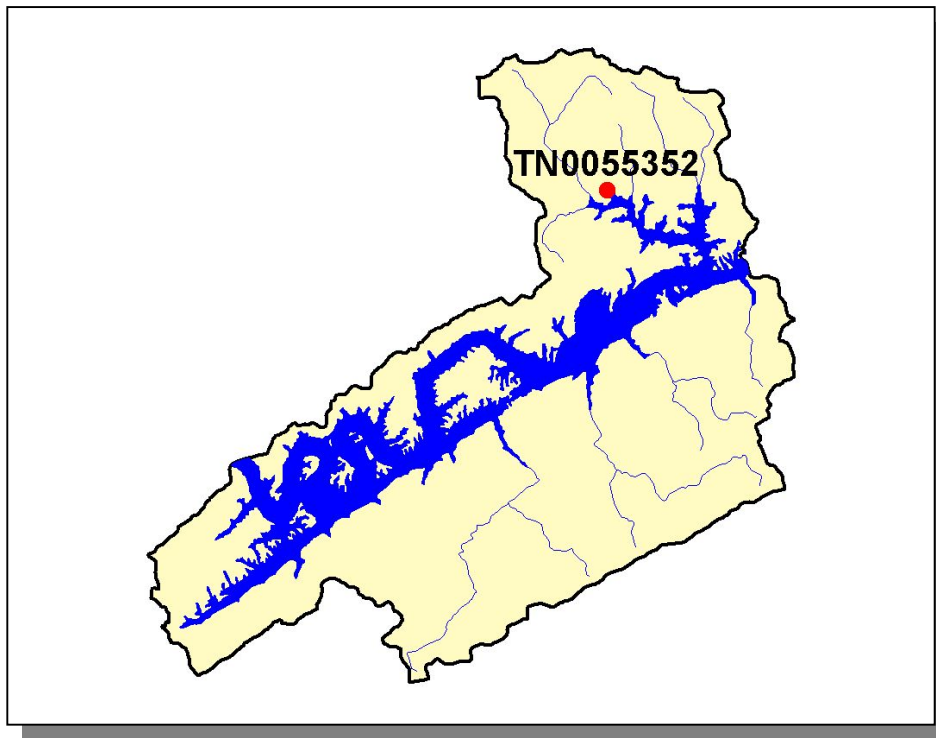


Figure 4-22. Location of Active NPDES Sites in Subwatershed 060102050103. More information, including the names of facilities, is provided in Appendix IV.

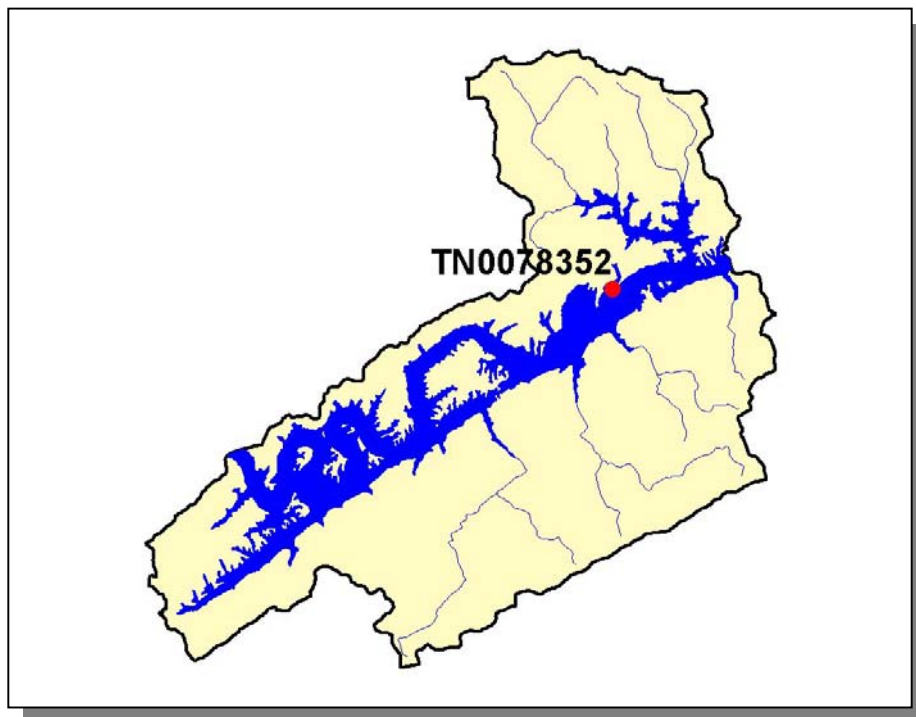


Figure 4-23. Location of Water Treatment Plants in Subwatershed 060102050103. More information, including the names of facilities, is provided in Appendix IV.

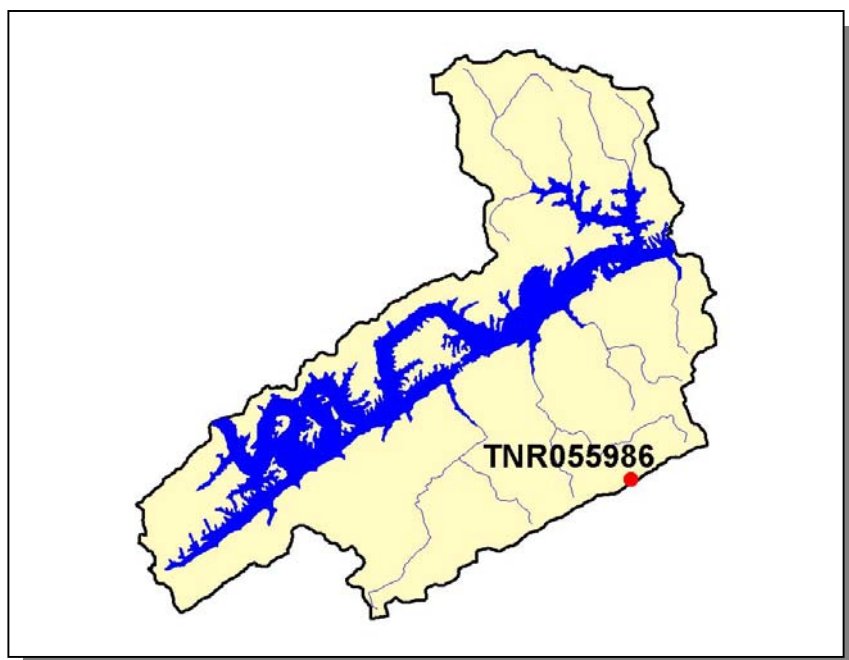


Figure 4-24. Location of TMSP Sites in Subwatershed 060102050103. More information, including the names of facilities, is provided in Appendix IV.

4.2.A.iii.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2004 303(d) list in Subwatershed 060102060103:

- TN0078352 (Hallsdale-Powell-Norris WTP) discharges to the Clinch River @ RM 116

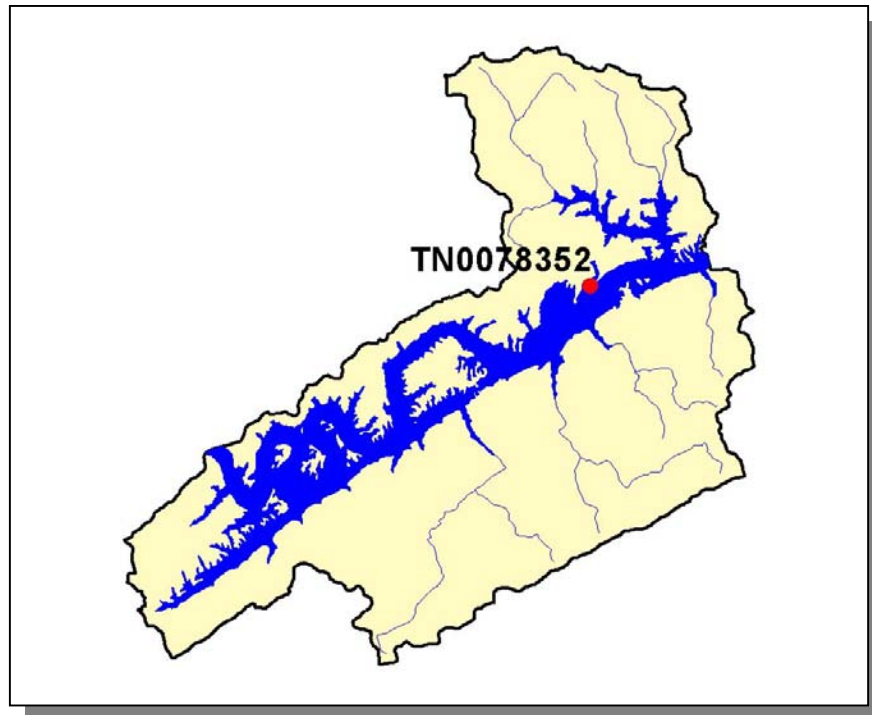


Figure 4-25. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 060102050103. More information, including the names of facilities, is provided in Appendix IV.

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PERMIT #	FLOW	AI
TN0078352	X	X

Table 4-18. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050103.

PERMIT #	TRC	TSS	SETTLEABLE SOLIDS	pH
TN0078352	X	X	X	X

Table 4-19. Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050103. TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

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4.2.A.iii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,024	1,955	19	<5	17	18

Table 4-20. Summary of Livestock Count Estimates in Subwatershed 060102050103. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Union	5,540	10,575	105	981	93	96

Table 4-21. Summary of Livestock Count Estimates in Union County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Union	102.5	102.5	0.1	0.0

Table 4-22. Forest Acreage and Annual Removal Rates (1987-1994) in Union County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.46
Grass (Hayland)	1.91
Grass, Forbs, Legumes (Mixed Pasture)	1.66
Farmsteads and Ranch Headquarters	0.22

Table 4-23. Annual Estimated Total Soil Loss in Subwatershed 060102050103.

4.2.A.iv. 060102050104 (Norris Lake).

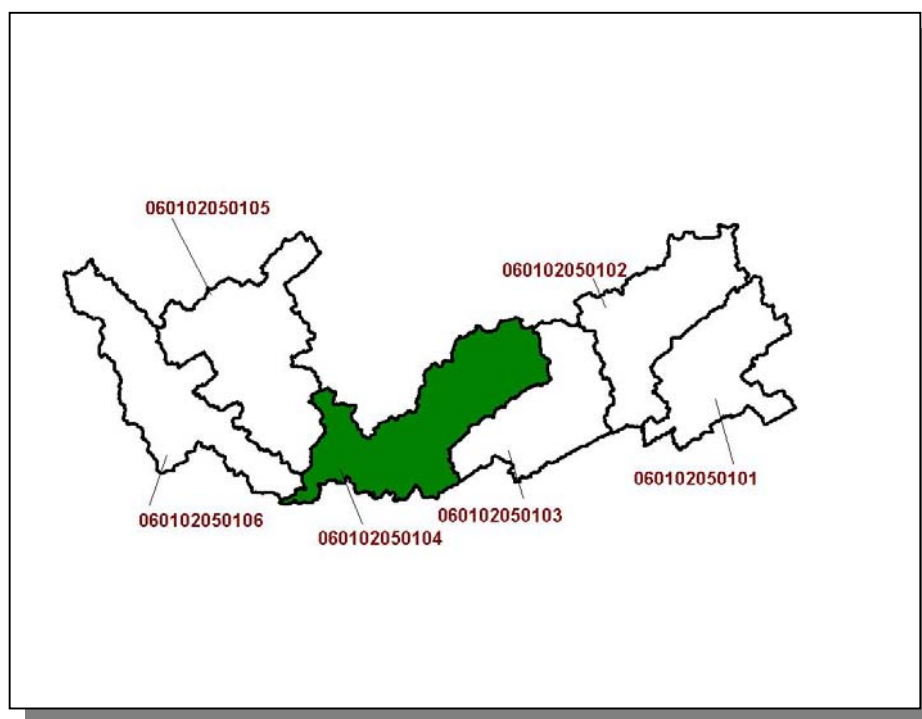


Figure 4-26. Location of Subwatershed 060102050104. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

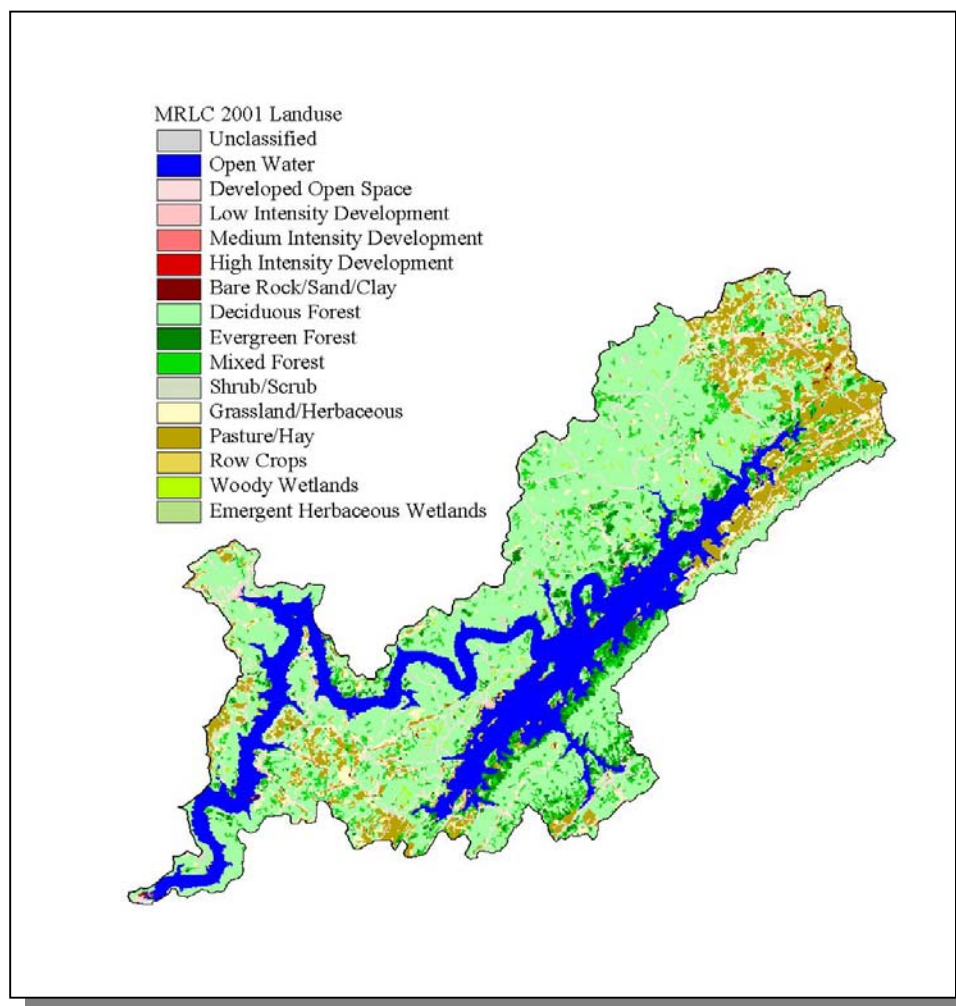


Figure 4-27. Illustration of Land Use Distribution in Subwatershed 060102050104.

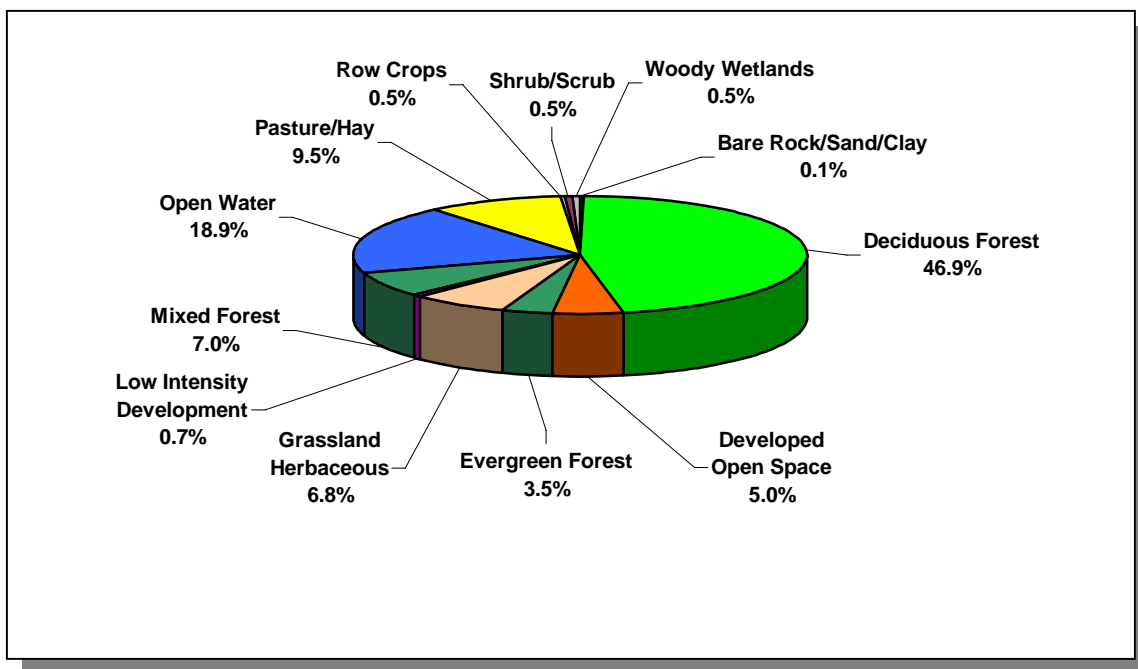


Figure 4-28. Land Use Distribution in Subwatershed 060102050104. More information is provided in Appendix IV.

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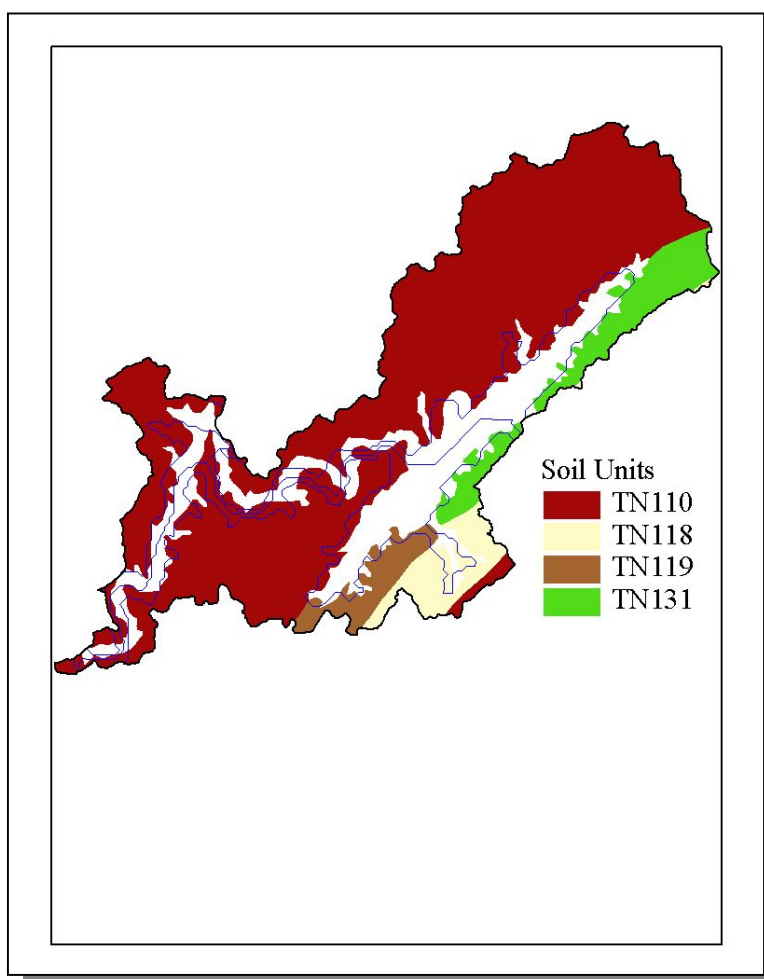


Figure 4-29. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050104.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN110	0.00	B	2.22	4.96	Loam	0.31
TN118	0.00	C	6.52	5.12	Loam	0.29
TN119	2.00	C	1.08	5.15	Loam	0.33
TN131	0.00	C	1.17	4.95	Silty Loam	0.33

Table 4-24. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050104. The definition of “Hydrologic Group” is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Anderson	68,250	71,498	71,330	2.52	1,719	1,801	1,797	4.5
Campbell	35,079	37,878	39,854	2.33	818	883	929	13.6
Union	13,694	15,956	17,808	20.82	2,851	3,322	3,707	30.0
Total	117,023	125,332	128,992		5,388	6,006	6,433	19.4

Table 4-25. Population Estimates in Subwatershed 060102050104.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Norris	Anderson	1,303	622	505	117	0

Table 4-26. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050104.

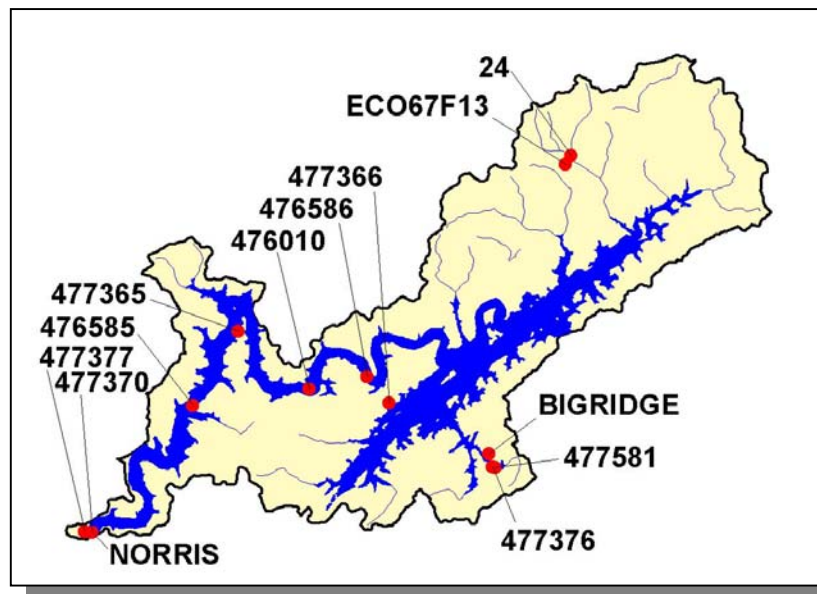


Figure 4-30. Location of Historical Streamflow Data Collection Sites in Subwatershed 060102050104. More information is provided in Appendix IV.

4.2.A.iv.a. Point Source Contributions.

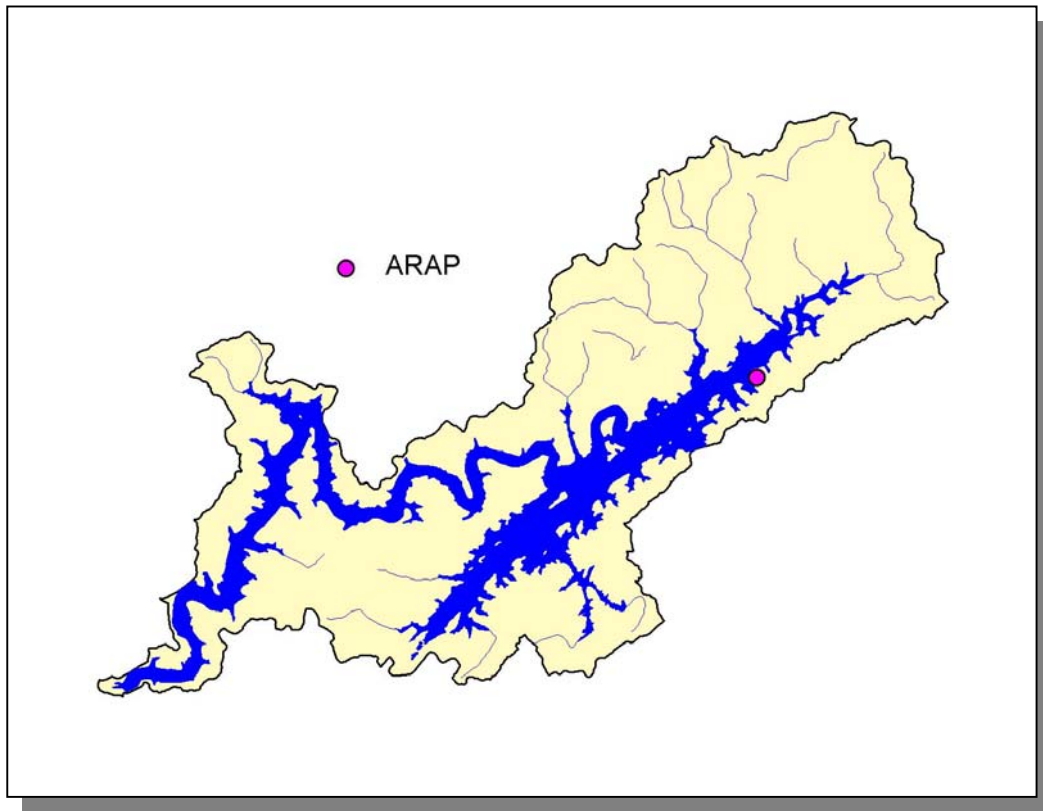


Figure 4-31. Location of Permits Issued in Subwatershed 060102050104. More information, including the names of facilities, is provided in Appendix IV.

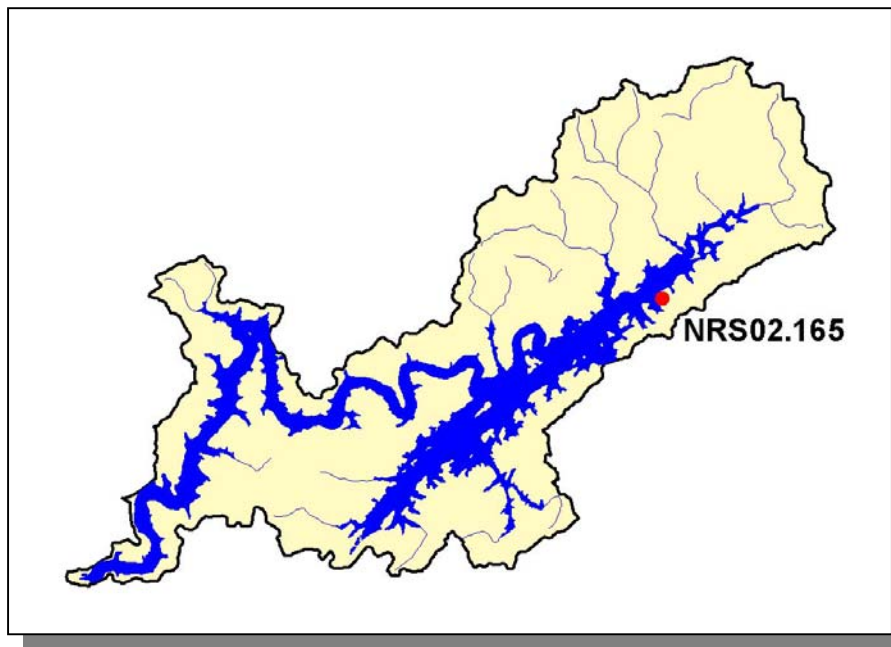


Figure 4-32. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 060102050104. More information is provided in Appendix IV.

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4.2.A.iv.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
1,495	2,978	61	8	15	32

Table 4-27. Summary of Livestock Count Estimates in Subwatershed 060102050104. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Anderson	4,449	9,458	335	769	0	135
Campbell	4,083	7,684	66	8	14	0
Union	5,540	10,575	105	981	93	96

Table 4-28. Summary of Livestock Count Estimates in Anderson, Campbell, and Union Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Anderson	124.0	124.0	2.6	6.2
Campbell	250.3	250.2	2.6	10.6
Union	102.5	102.5	0.1	0.0

Table 4-29. Forest Acreage and Annual Removal Rates (1987-1994) in Anderson, Campbell, and Union Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.79
Grass (Hayland)	1.75
Legumes, Grass (Hayland)	1.68
Legumes (Hayland)	1.07
Grass, Forbs, Legumes (Mixed Pasture)	1.84
Tobacco (Row Crops)	9.37
Other Vegetable and Truck Crops	7.05
Other Land in Farms	0.23
Farmsteads and Ranch Headquarters	0.29

Table 4-30. Annual Estimated Total Soil Loss in Subwatershed 060102050104.

4.2.A.v. 060102050105 (Big Creek).

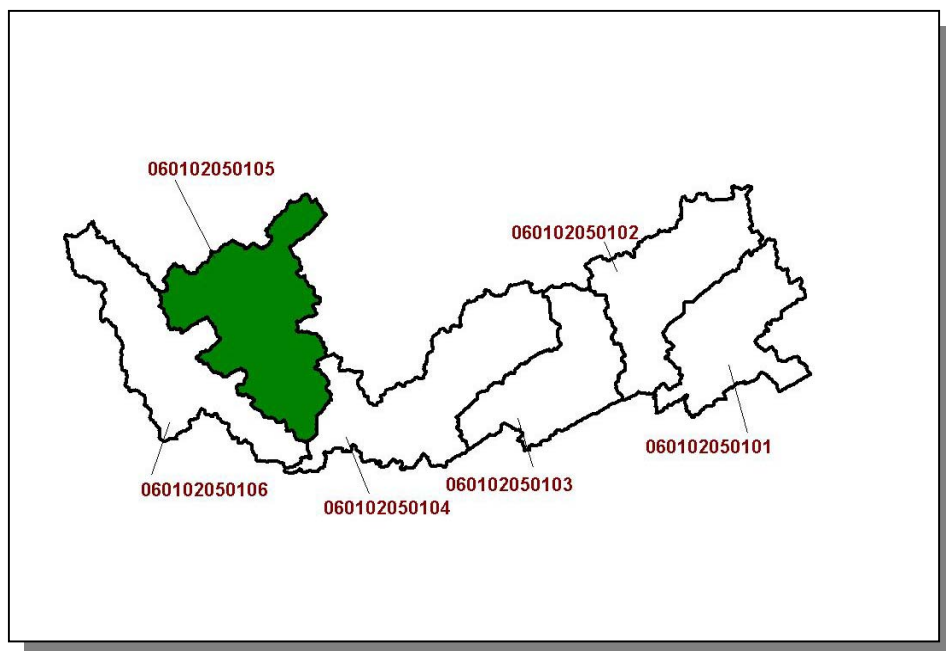


Figure 4-33. Location of Subwatershed 060102050105. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

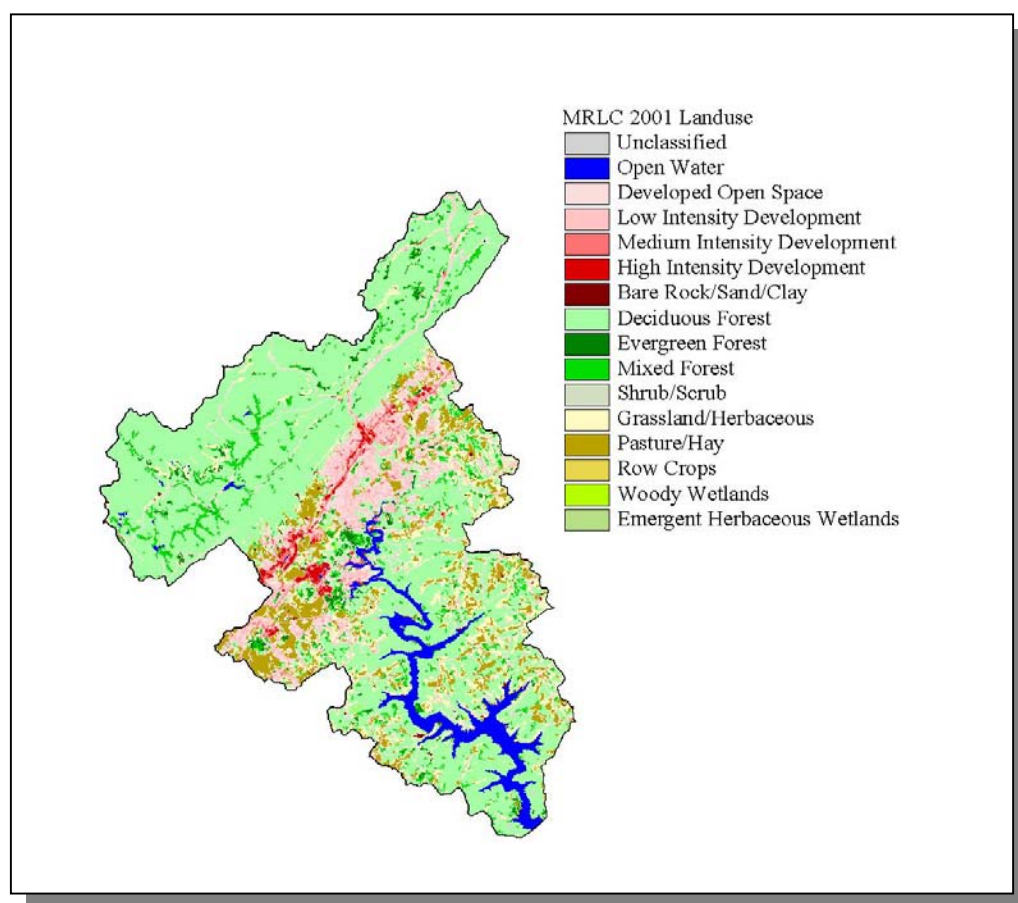


Figure 4-34. Illustration of Land Use Distribution in Subwatershed 060102050105.

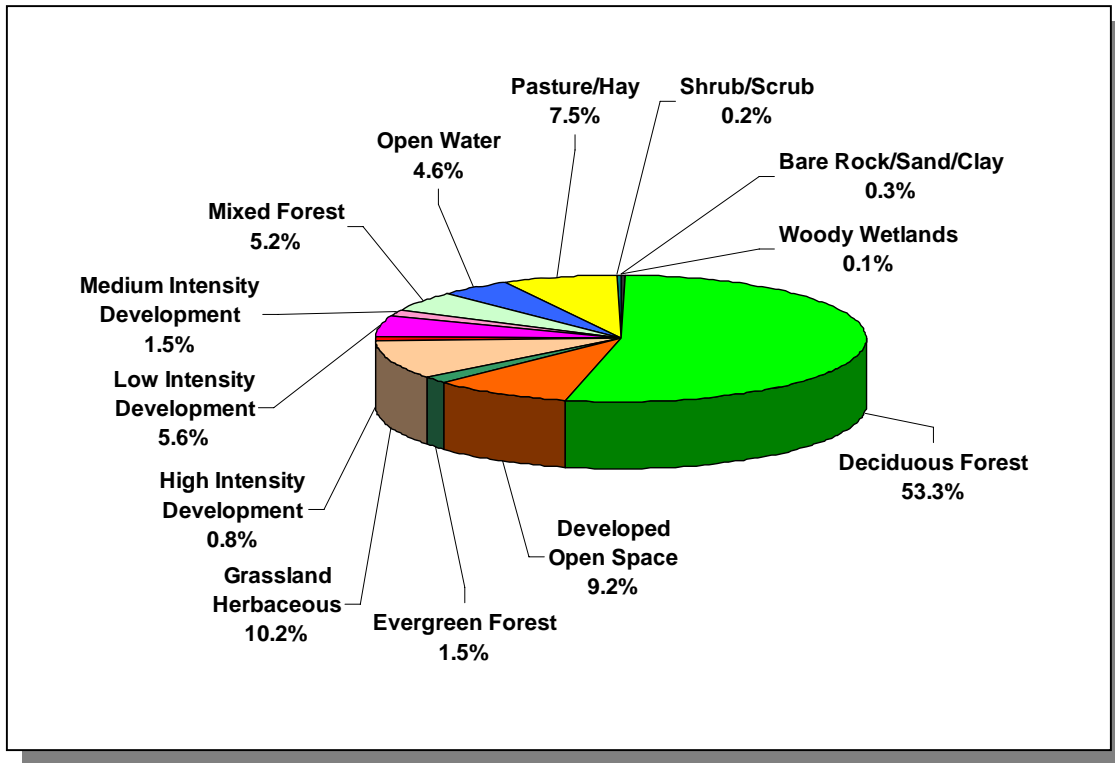


Figure 4-35. Land Use Distribution in Subwatershed 060102050105. More information is provided in Appendix IV.

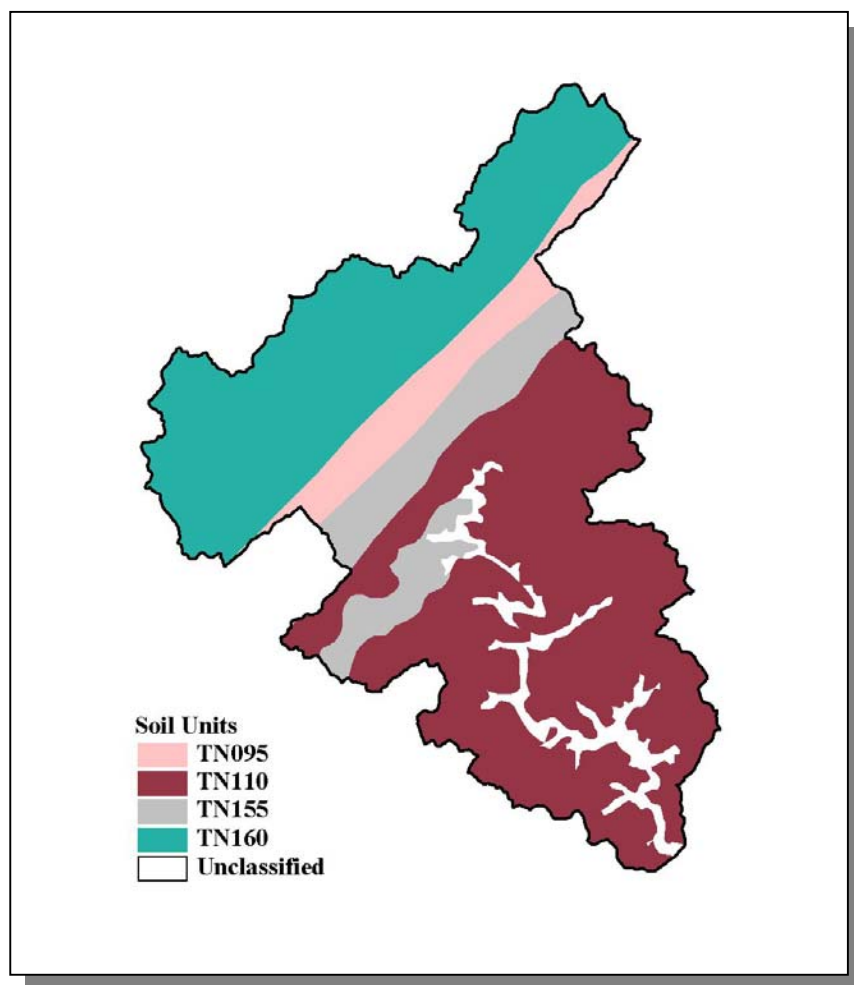


Figure 4-36. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050105.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN110	0.00	B	2.22	4.96	Loam	0.31
TN155	0.00	C	1.71	5.31	Loam	0.32
TN160	0.00	B	2.69	5.36	Loam	0.25

Table 4-31. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050105. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Campbell	35,079	37,878	39,854	14.12	4,954	5,350	5,629	13.6

Table 4-32. Population Estimates in Subwatershed 060102050105.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Caryville	Campbell	1,750	736	439	281	16
Jacksboro	Campbell	1,568	650	519	127	4
LaFollette	Campbell	7,192	3,116	2,745	366	5
Total		10,510	4,502	3,703	774	25

Table 4-33. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050105.

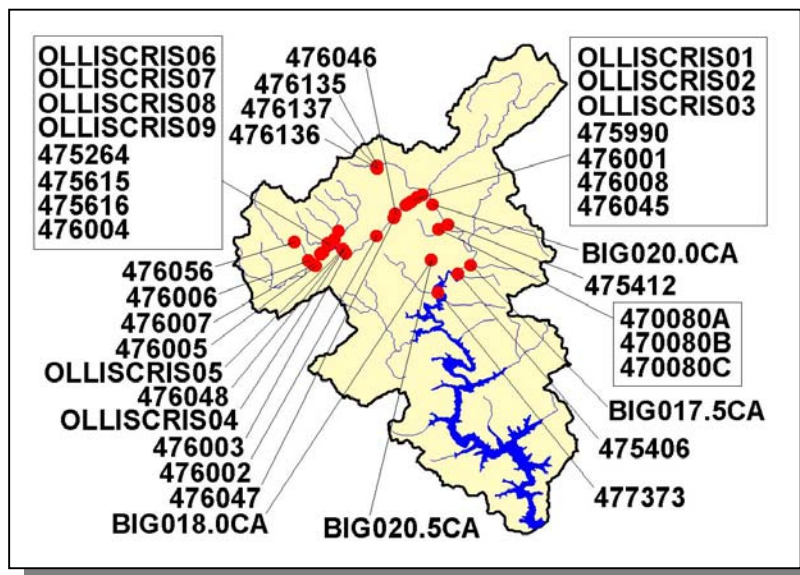


Figure 4-37. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050105. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

4.2.A.v.a. Point Source Contributions.

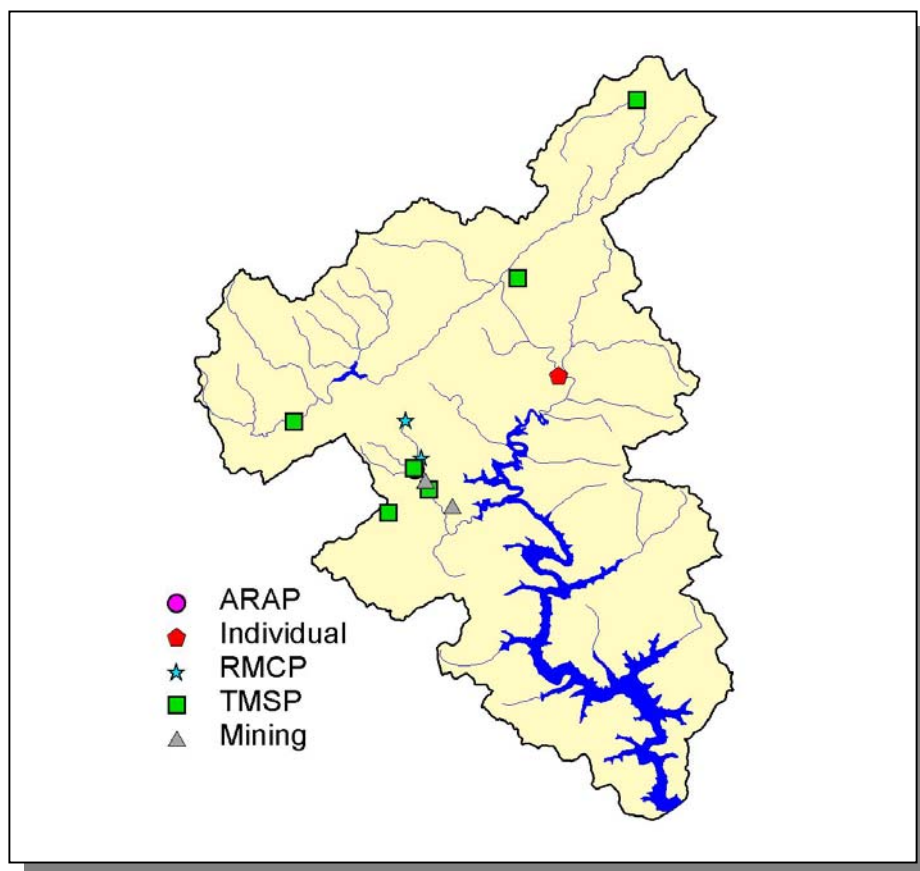


Figure 4-38. Location of Permits Issued in Subwatershed 060102050105. More information, including the names of facilities, is provided in Appendix IV.

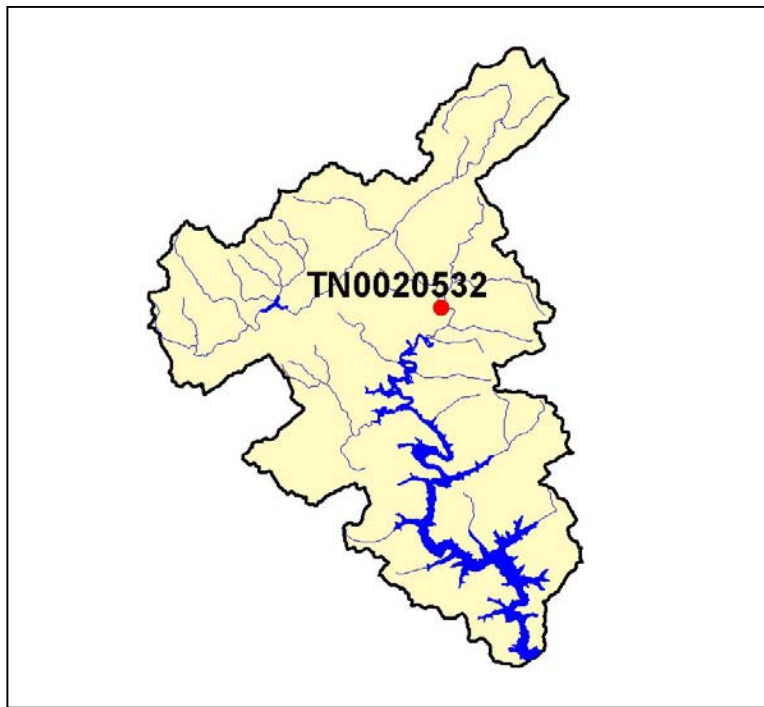


Figure 4-39. Location of Active NPDES Sites in Subwatershed 060102050105. More information, including the names of facilities, is provided in Appendix IV.

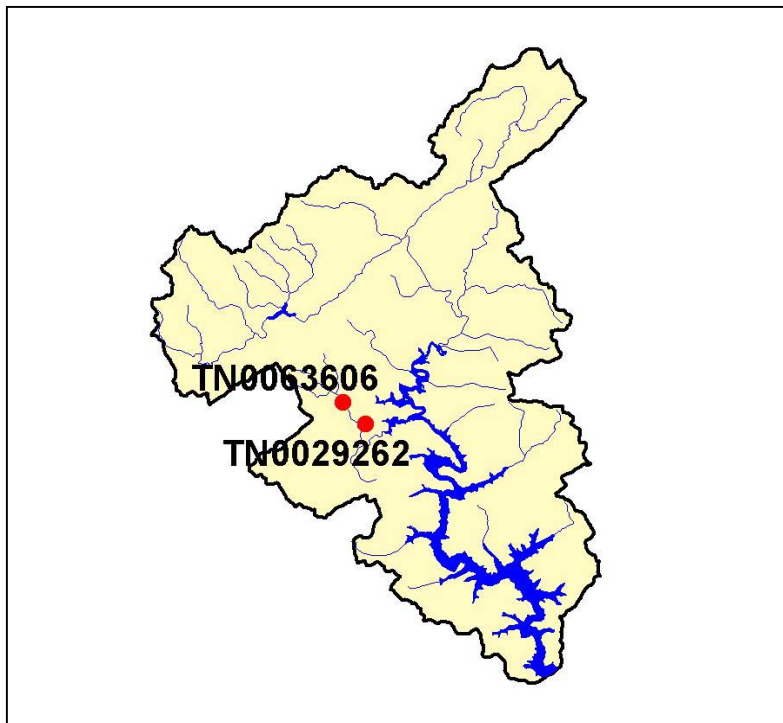


Figure 4-40. Location of Active Mining Sites in Subwatershed 060102050105. More information, including the names of mining operations, is provided in Appendix IV.

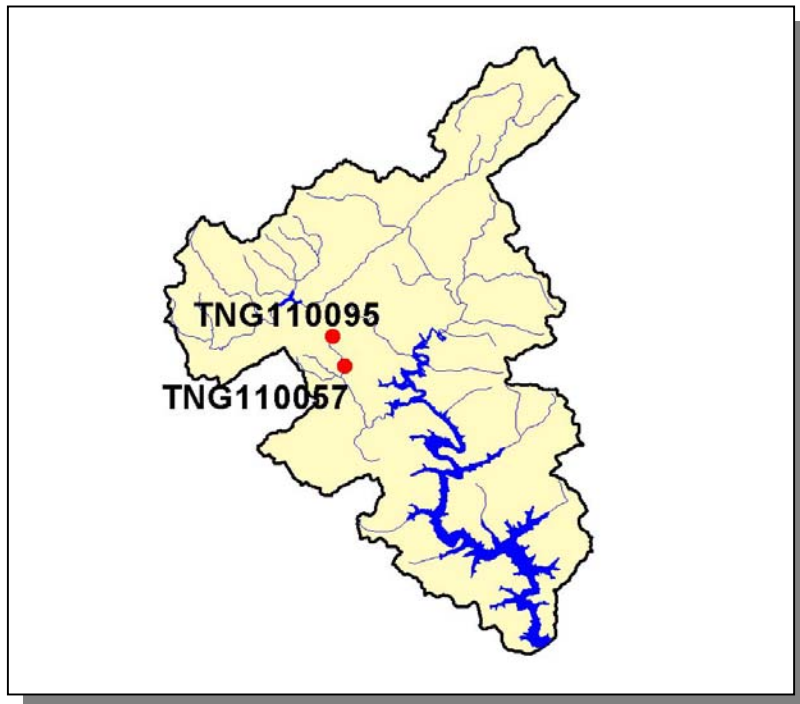


Figure 4-41. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 060102050105. More information is provided in Appendix IV.

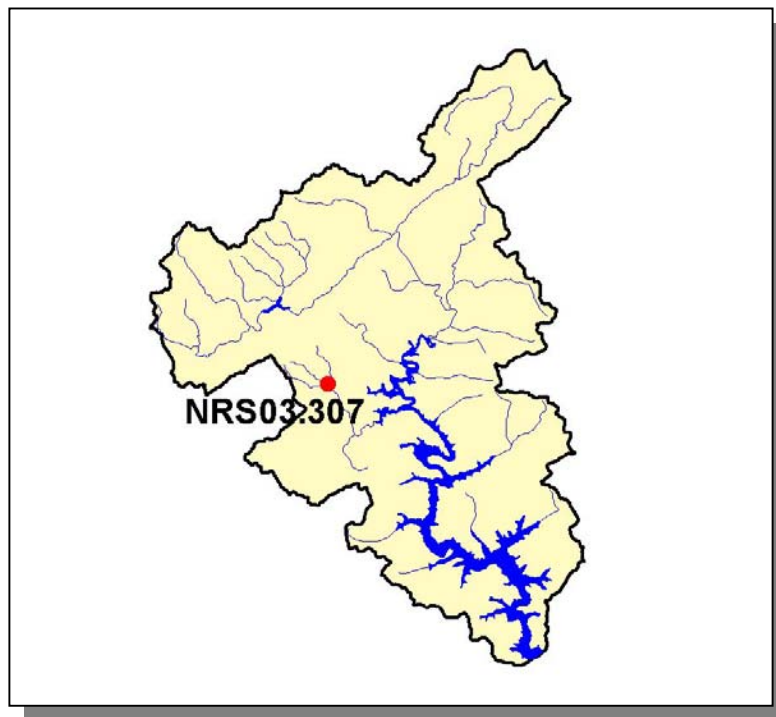


Figure 4-42. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 060102050105. More information is provided in Appendix IV.

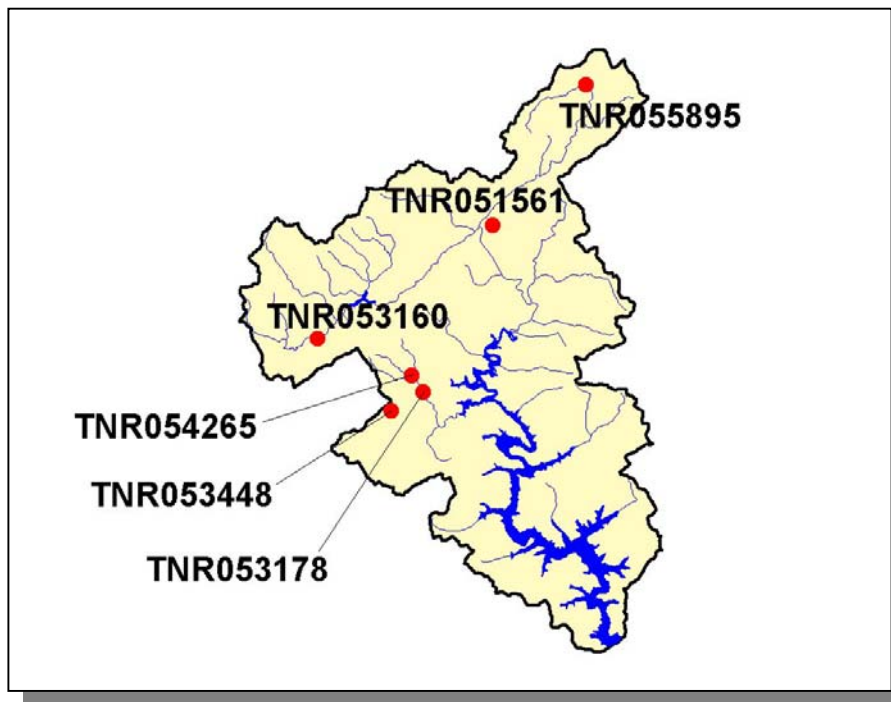


Figure 4-43. Location of TMSP Sites in Subwatershed 060102050105. More information, including the names of facilities, is provided in Appendix IV.

4.2.A.v.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2004 303(d) list in Subwatershed 060102060105:

- TN0020532 (LaFollette STP) discharges to Big Creek @ RM 17.1

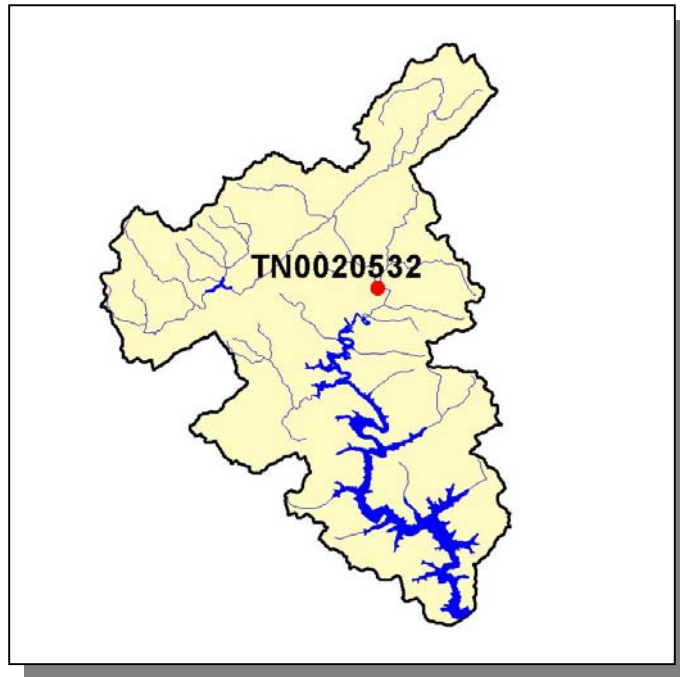


Figure 4-44. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 060102050105. More information, including the names of facilities, is provided in Appendix IV.

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PERMIT #	1Q10	3Q10	7Q10	3Q20	QDESIGN
TN0020532			0.3		

Table 4-34. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050105. Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.

PERMIT #	P	N	FLOW
TN0020532	X	X	X

Table 4-35. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050105.

PERMIT #	WET	CBOD ₅	<i>E. coli</i>	NH ₃	TRC	TSS	SETTLABLE SOLIDS	DO	pH
TN0020532	X	X	X	X	X	X	X	X	X

Table 4-36. Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050105. WET, Whole Effluent Toxicity; CBOD₅, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

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4.2.A.v.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs
847	1,593	14	<5	<5

Table 4-37. Summary of Livestock Count Estimates in Subwatershed 060102050105. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS					
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs
Campbell	4,083	7,684	66	8	14

Table 4-38. Summary of Livestock Count Estimates in Campbell County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Campbell	250.3	250.2	2.6	10.6

Table 4-39. Forest Acreage and Annual Removal Rates (1987-1994) in Campbell County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.73
Grass (Hayland)	1.78
Legumes, Grass (Hayland)	0.44
Grass, Forbs, Legumes (Mixed Pasture)	2.74
Tobacco (Row Crops)	15.11
Other Vegetable and Truck Crops	3.33
Farmsteads and Ranch Headquarters	0.07

Table 4-40. Annual Estimated Total Soil Loss in Subwatershed 051302050105.

4.2.A.vi. 060102050106 (Cove Creek).

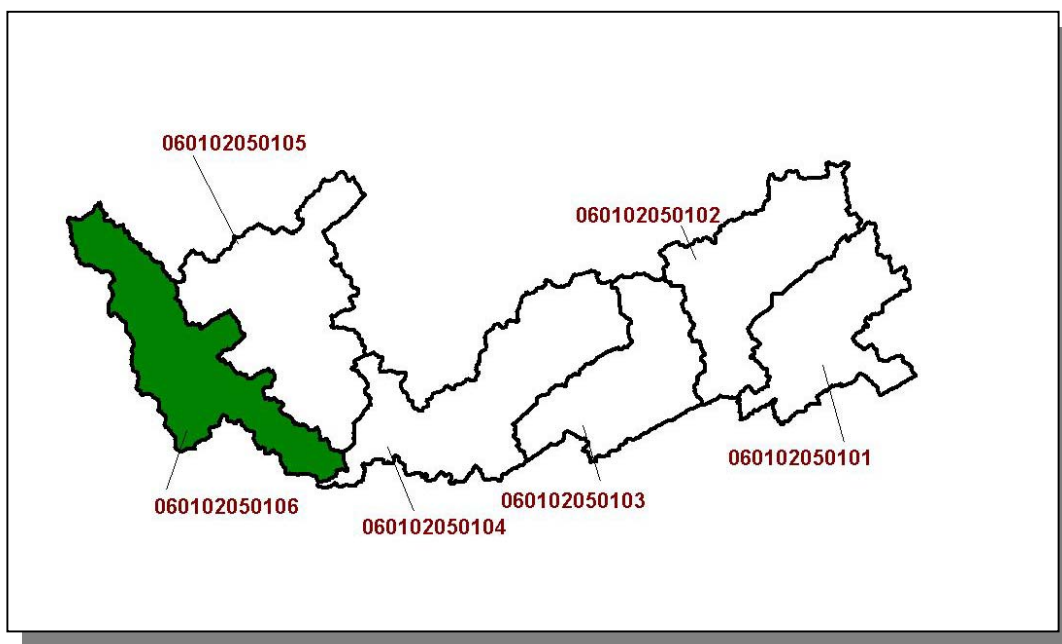


Figure 4-45. Location of Subwatershed 060102050106. All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

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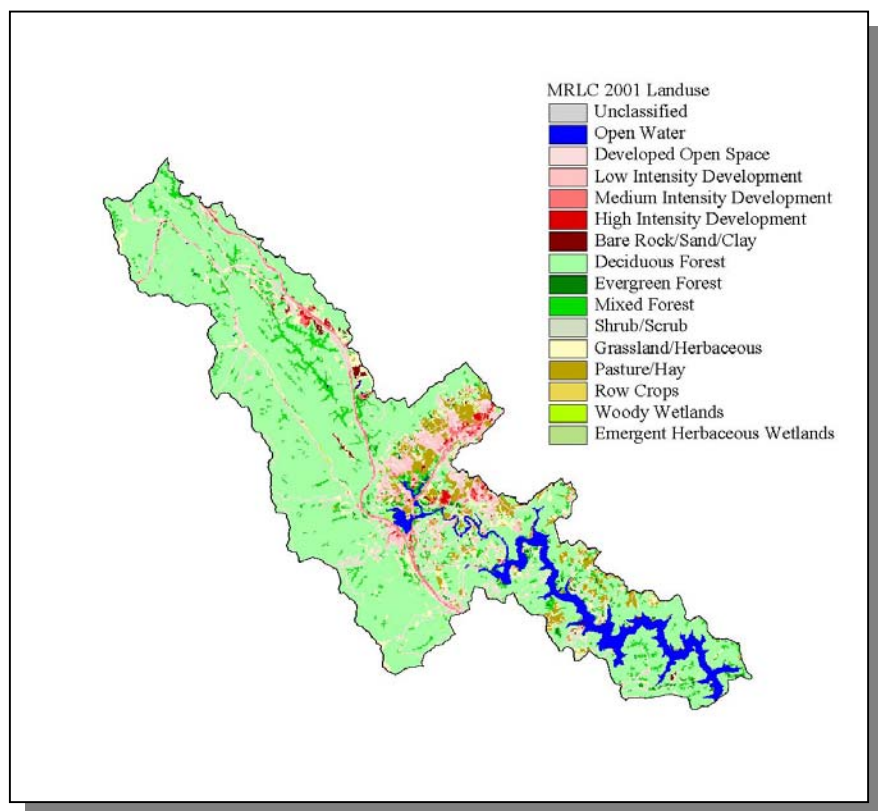


Figure 4-46. Illustration of Land Use Distribution in Subwatershed 060102050106.

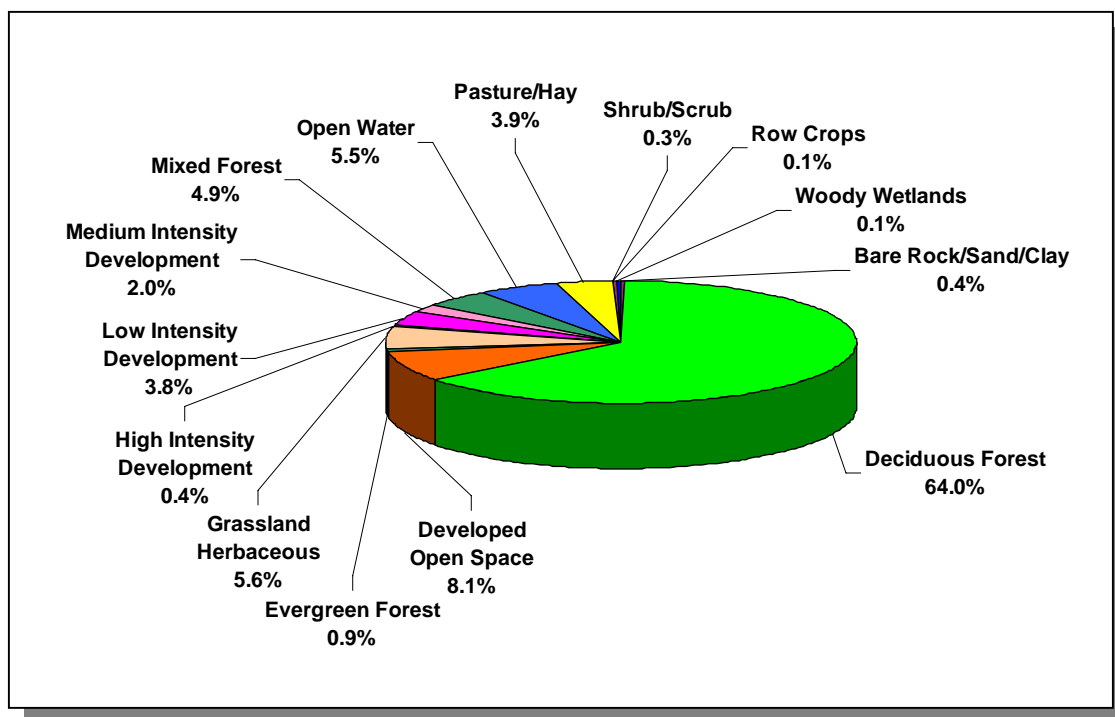


Figure 4-47. Land Use Distribution in Subwatershed 060102050106. More information is provided in Appendix IV.

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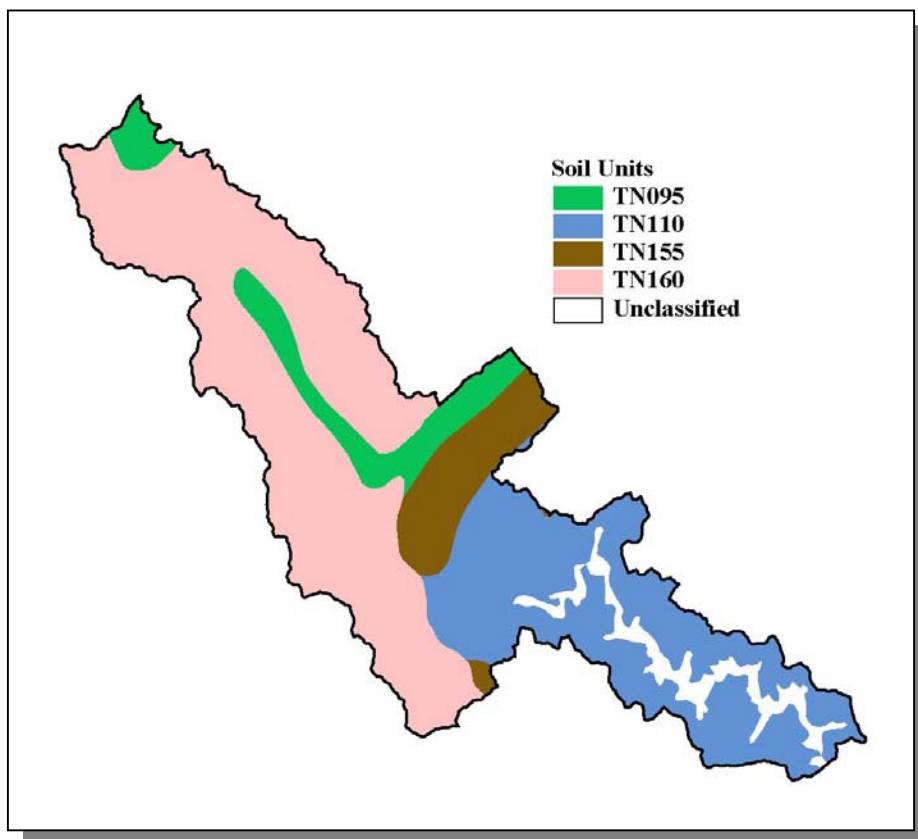


Figure 4-48. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050106.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN110	0.00	B	2.22	4.96	Loam	0.31
TN155	0.00	C	1.71	5.31	Loam	0.32
TN160	0.00	B	2.69	5.36	Loam	0.25

Table 4-41. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050106. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Anderson	68,250	71,498	71,330	0.13	89	93	93	4.5
Campbell	35,079	37,878	39,854	11.63	4,079	4,405	4,634	13.6
Total	103,329	109,376	111,184		4,168	4,498	4,727	13.4

Table 4-42. Population Estimates in Subwatershed 060102050106.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Caryville	Campbell	1,750	736	439	281	16
Jacksboro	Campbell	1,568	650	519	127	4
LaFollette	Campbell	7,192	3,116	2,745	366	5
Total		10,510	4,502	3,703	774	25

Table 4-43. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050106.

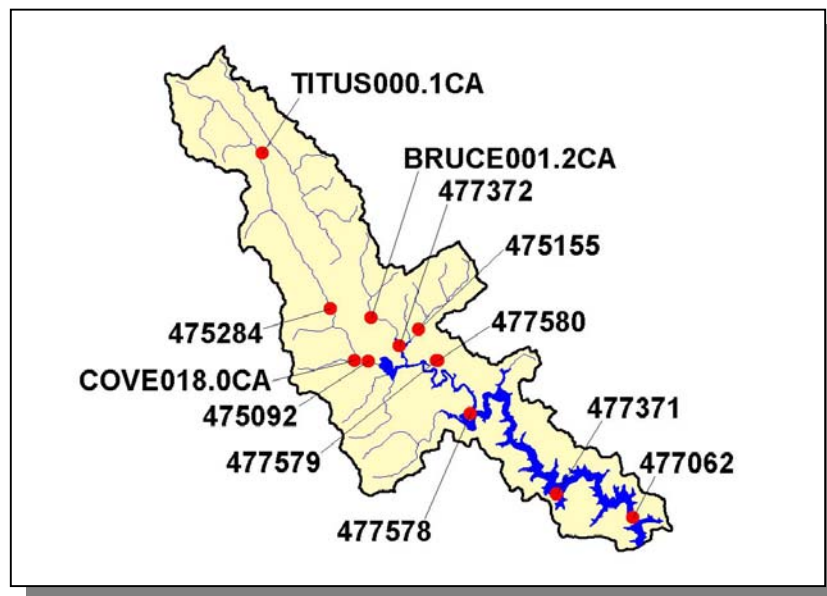


Figure 4-49. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050106. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

4.2.A.vi.a. Point Source Contributions.

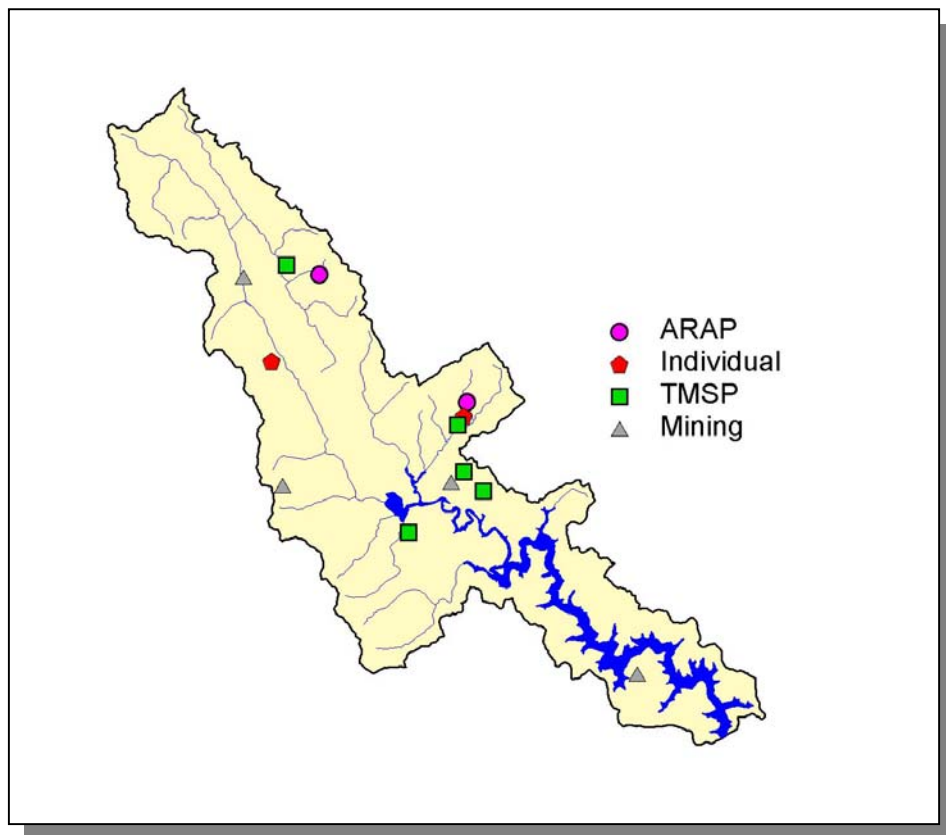


Figure 4-50. Location of Permits Issued in Subwatershed 060102050106. More information, including the names of facilities, is provided in Appendix IV.

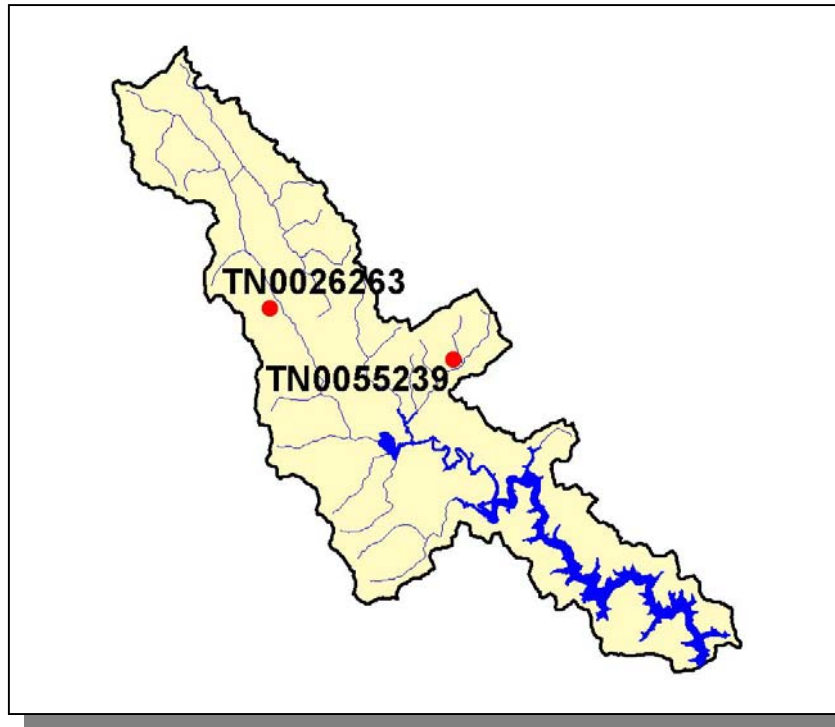


Figure 4-51. Location of Active NPDES Sites in Subwatershed 060102050106. More information, including the names of facilities, is provided in Appendix IV.

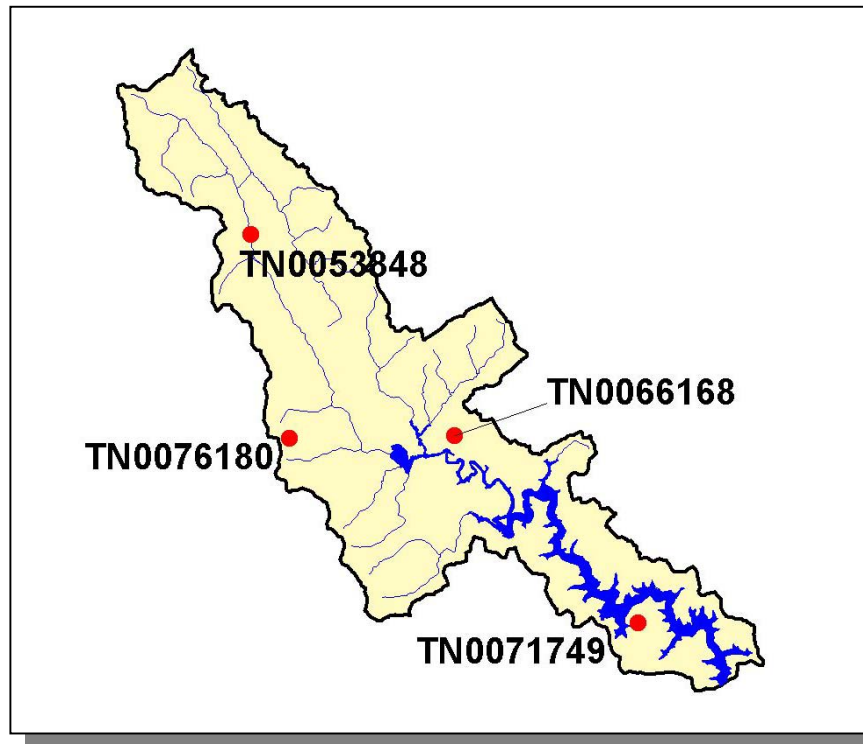


Figure 4-52. Location of Active Mining Sites in Subwatershed 060102050106. More information, including the names of mining operations, is provided in Appendix IV.

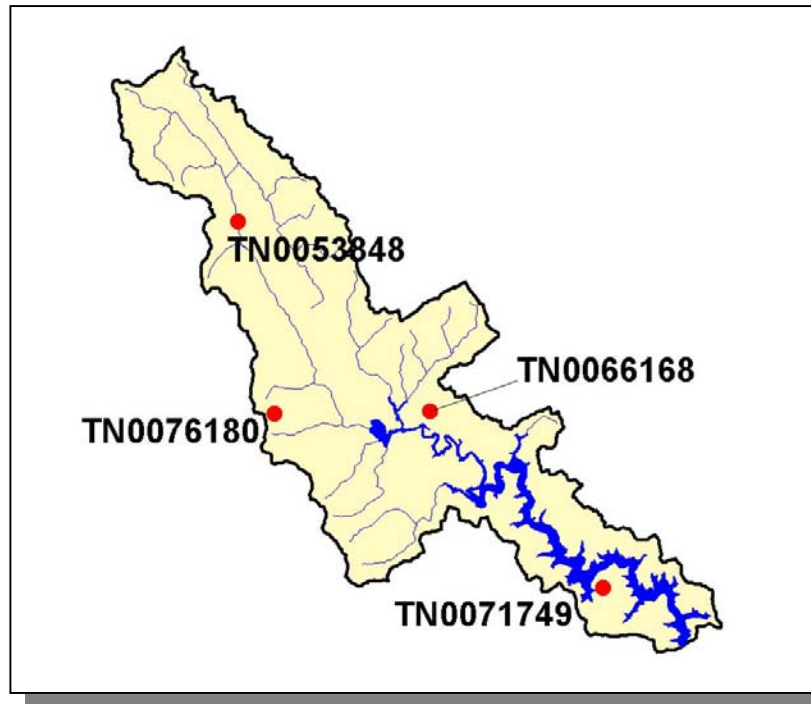


Figure 4-53. Location of Permitted Herbicide Application Sites in Subwatershed 060102050106. More information is provided in Appendix IV.

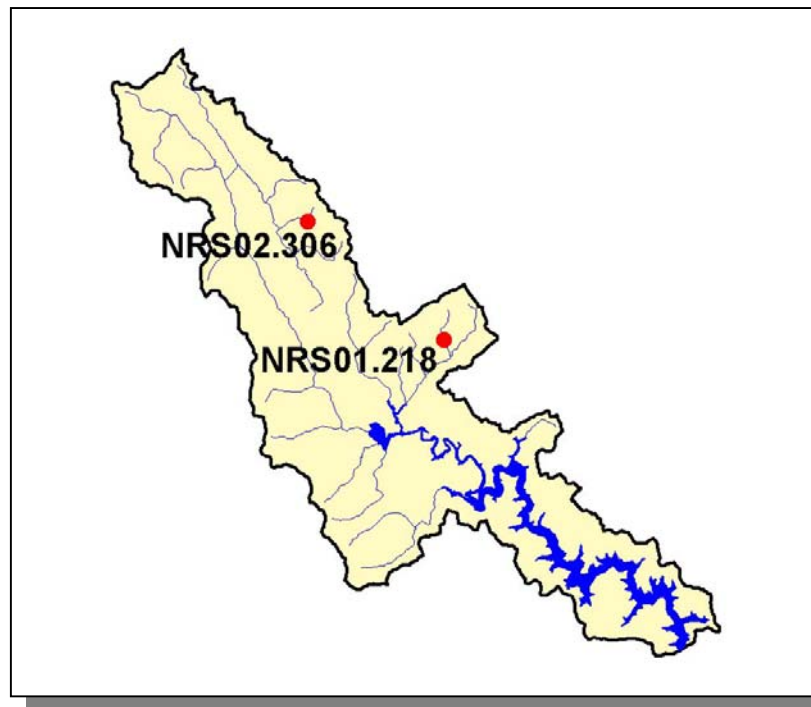


Figure 4-54. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 060102050106. More information is provided in Appendix IV.

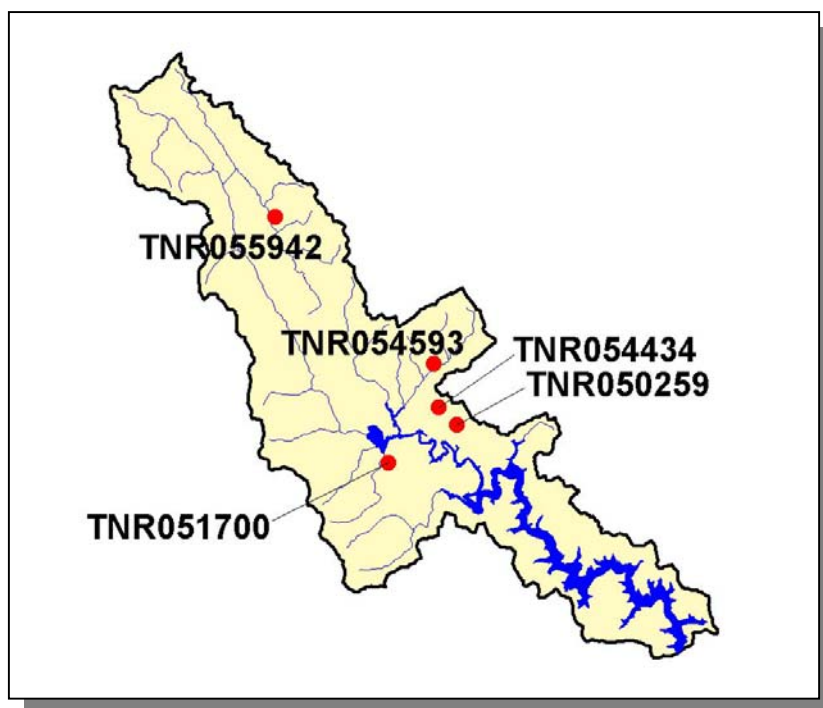


Figure 4-55. Location of TMSP Sites in Subwatershed 060102050106. More information, including the names of facilities, is provided in Appendix IV.

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4.2.A.vi.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs
304	573	5	<5	<5

Table 4-44. Summary of Livestock Count Estimates in Subwatershed 060102050106. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Anderson	4,449	9,458	335	769	0	135
Campbell	4,083	7,684	66	8	14	0

Table 4-45. Summary of Livestock Count Estimates in Anderson and Campbell Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Anderson	124.0	124.0	2.6	6.2
Campbell	250.3	250.2	2.6	10.6

Table 4-46. Forest Acreage and Annual Removal Rates (1987-1994) in Anderson and Campbell Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.73
Grass (Hayland)	1.77
Legumes, Grass (Hayland)	0.46
Legumes (Hayland)	1.07
Grass, Forbs, Legumes (Mixed Pasture)	2.73
Tobacco (Row Crops)	15.01
Other Vegetable and Truck Crops	3.40
Other Land in Farms	0.23
Farmsteads and Ranch Headquarters	0.08

Table 4-47. Annual Estimated Total Soil Loss in Subwatershed 060102050106.